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JEOPARDY!

Episode 56VX, July 14, 2024, Jeopardy. Clued In on the PM2.5 emitted by Indoor Residential Wood burning. RAWSEP Clued In, with A) Doctor Duke in the Clinic, B) Educator Edgar in the Classroom, C) Nurse Nina in the Living Room, D) Ordinary Otto in the Kitchen, E) Scientist Stacey in the Laboratory, and F) Statistician Stan in the Conservatory, with Solutions: individual actions plus Industry change. PLEASE CLICK TO START THE GAME!



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**Category 1) Doctor
Duke in the Clinic,
near neighbor of an
indoor resident
wood burning stove.**

		
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**Category 2) Educator
Edgar in the Classroom,
near neighbor of an
indoor residential
burning stove.**

		
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**Category 3) Nurse Nina
in the Living Room,
near neighbor of an
indoor residential wood
burning stove.**



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**Category 4) Ordinary
Otto in the Kitchen,
owner of an indoor
residential wood
burning stove.**



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**Category 5) Scientist
Stacey in the Laboratory,
near neighbor of an
indoor residential wood
burning stove.**

		
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**Category 6) Statistician
Stan in the Conservatory,
near neighbor of an indoor
residential wood burning
stove.**



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**RHYME
TIME!**

**MOVIE
CLASSICS**

**BROADWAY
MUSICALS**

**EASY BUT
SO MEAN
-QUESTIONS-**



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Category 1, \$200 Answer, 1) Doctor Duke in the Clinic. near neighbor of an indoor residential wood burning stove.

Doctor Duke's medical studies are evidence that wood burning emissions can cause early deaths.

[Click here for the answer](#)



Solution:



Category 1, \$200 Question, 1) Doctor Duke in the Clinic, near neighbor of an indoor residential wood burning stove.

What medical studies has Doctor Duke conducted as evidence that PM_{2.5}, particulate matter from wood burning causes a preventable disease, part 1 of 5?

\$ 200





Category 1, \$400 Answer, 1) Doctor Duke in the Clinic, near neighbor of an indoor residential wood burning stove.

Doctor Duke's medical studies are evidence that wood burning emissions can cause heart attacks.

[Click here for the answer](#)



Solution:

Category 1, \$400 Question, 1) Doctor Duke in the Clinic, near neighbor of an indoor residential wood burning stove.

What medical studies has Doctor Duke conducted as evidence that PM2.5, particulate matter from wood burning causes a preventable disease, part

2 of 5?
\$ 400





Category 1, \$600 Answer, 1) Doctor Duke in the Clinic, near neighbor of an indoor residential wood burning stove.

Doctor Duke's medical studies are evidence that wood burning emissions can cause lung cancer.

[Click here for the answer](#)



Solution:



Category 1, \$600 Question, 1) Doctor Duke in the Clinic, near neighbor of an indoor residential wood burning stove.

What medical studies has Doctor Duke conducted as evidence that PM_{2.5}, particulate matter from wood burning causes a preventable disease, part 3 of 5?

\$ 600






Category 1, \$800 Answer, 1) Doctor Duke in the Clinic, near neighbor of an indoor residential wood burning stove.

Doctor Duke's medical studies are evidence that wood burning emissions can cause cataracts.

[Click here for the answer](#)



Category 1,  \$800 Question, 1) Doctor Duke in the Clinic, near neighbor of an indoor residential wood burning stove.

What medical studies has Doctor Duke conducted as evidence that PM_{2.5}, particulate matter from wood burning causes a preventable disease, part 4

of 5?
\$ 800



Category 1, \$1,000 Answer, 1) Doctor Duke in the Clinic, near neighbor of an indoor residential wood burning stove.

Doctor Duke's medical studies are evidence that wood burning emissions can cause asthma.

[Click here for the answer](#)



Solution:

Category  1,

\$1,000 Question, 1)

Doctor Duke in the Clinic, near neighbor of an indoor residential wood burning stove.

What medical studies has Doctor Duke conducted as evidence that PM2.5, particulate matter from wood burning causes a preventable disease, part 5 of 5?

\$ 1000



Category 2, \$200 Answer, 2) Educator Edgar in the Classroom, near neighbor of an indoor residential wood burning stove.

Wood burning PM_{2.5} can directly enter brain tissue via the olfactory nerve.

[Click here for the answer](#)



Solution:

Category 2, \$200 Question, 2) Educator Edgar in the Classroom, near neighbor of an indoor residential wood burning stove.

What has Educator Edgar observed in the classroom as evidence that PM_{2.5}, particulate matter from wood burning causes a preventable disease, part 1 of 5?



\$ 200





Category 2, \$400 Answer, 2) Educator Edgar in the Classroom, near neighbor of an indoor residential wood burning stove.

Wood burning PM2.5 can directly enter brain tissue eventually damaging the cerebral blood vessels and brain nerves.

[Click here for the answer](#)



Solution:

Category 2, \$400 Question, 2) Educator Edgar in the Classroom, near neighbor of an indoor residential wood burning stove.

What has Educator Edgar observed in the classroom as evidence that PM_{2.5}, particulate matter from wood burning causes a preventable disease, part 2 of

5?
\$ 400





Category 2, \$600 Answer, 2) Educator Edgar in the Classroom , near neighbor of an indoor residential wood burning stove.

Wood burning PM_{2.5} may be neurotoxic to the brain and cause central nervous system damage, contributing to neurodevelopment disorders.

[Click here for the answer](#)



Solution:



Category 2, \$600 Question, 2) Educator Edgar in the Classroom, near neighbor of an indoor residential wood burning stove.

What has Educator Edgar observed in the classroom as evidence that PM_{2.5}, particulate matter from wood burning causes a preventable disease, part 3 of 5?

\$ 600





Category 2, \$800 Answer, 2) Educator Edgar in the Classroom, near neighbor of an indoor residential wood burning stove.

Wood Smoke PM2.5, may be neurotoxic to the brain and cause central nervous system damage, contributing to mental disorders, such as autism spectrum disorders.

[Click here for the answer](#)



Solution:

Category 2, \$800 Question, 2) Educator Edgar in the Classroom, near neighbor of an indoor residential wood burning stove.

What has Educator Edgar observed in the classroom as evidence that PM2.5, particulate matter from wood burning causes a preventable disease, part 4 of 5?

\$ 800





Category 2, \$1,000 Answer, 2) Educator Edgar in the Classroom, near neighbor of an indoor residential wood burning stove.

Wood Smoke PM2.5 may be neurotoxic to the brain and cause central nervous system damage, contributing to neurodegenerative diseases, such as Alzheimer's disease and Parkinson's disease.

[Click here for the answer](#)



Solution:

Category 2, \$1,000 Question, 2) Educator Edgar in the Classroom, near neighbor of an indoor residential wood burning stove.

What has Educator Edgar observed in the classroom as evidence that PM2.5, particulate matter from wood burning causes a preventable disease, part 5 of 5?

\$ 1000



Category 3, \$200 Answer, Category 3) Nurse Nina in the Living Room, near neighbor of an indoor residential wood burning stove.

The symptoms of a near neighbor's illness, caused by PM_{2.5} emissions from a hyper-localized indoor residential wood burner include eye irritation.

[Click here for the answer](#)



Solution:

Category 3, \$200 Question, Category 3) Nurse Nina in the Living Room, near neighbor of an indoor residential wood burning stove.

What has Nurse Nina observed on home visits to near neighbors of indoor residential wood burners as evidence that PM2.5, particulate matter from wood burning may be causing a preventable disease, part 1 of 5?



\$ 200





Category 3, \$400 Answer, Category 3) Nurse Nina in the Living Room, near neighbor of an indoor residential wood burning stove.

The symptoms of a near neighbor's illness, caused by PM_{2.5} emissions from a hyper-localized indoor residential wood burner include labored breathing.

[Click here for the answer](#)



\$

Solution:

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Category 3, \$400 Question, Category 3) Nurse Nina in the Living Room, near neighbor of an indoor residential wood burning stove. What has Nurse Nina observed on home visits to near neighbors of indoor residential wood burners as evidence that PM2.5, particulate matter from wood burning may be causing a preventable disease, part 2 of 5?

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Category 3, \$600 Answer, Category 3) Nurse Nina in the Living Room, near neighbor of an indoor residential wood burning stove.

The symptoms of a near neighbor's illness, caused by PM_{2.5} emissions from a hyper-localized indoor residential wood burner include sore throat.

[Click here for the answer](#)



Solution:

Category 3, \$600 Question, Category 3) Nurse Nina in the Living Room, near neighbor of an indoor residential wood burning stove.

What has Nurse Nina observed on home visits to near neighbors of indoor residential wood burners as evidence that PM_{2.5}, particulate matter from wood burning may be causing a preventable disease, part 3 of 5?

\$ 600





Category 3, \$800 Answer, Category 3) Nurse Nina in the Living Room, near neighbor of an indoor residential wood burning stove. The symptoms of a near neighbor's illness, caused by PM2.5 emissions from a hyper-localized indoor residential wood burner include headaches.

[Click here for the answer](#)



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Solution:

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Category 3, \$800 Question, Category 3)UK new Labour government to tackle wood burning fad,

What recent headline about wood burning stoves mentioned it was a green challenge that the new UW Labour government must solve?

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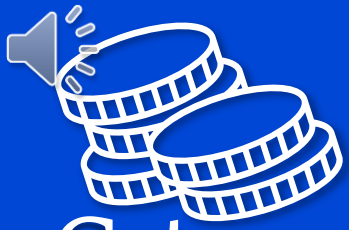
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Category 3, \$1,000 Answer, Category 3) Nurse Nina in the Living Room, near neighbor of an indoor residential wood burning stove. The symptoms of a near neighbor's illness, caused by PM2.5 emissions from a hyper-localized indoor residential wood burner include allergies.

[Click here for the answer](#)



Category 3, \$1,000 Question, Category 3) Nurse Nina in the Living Room, near neighbor of an indoor residential wood burning stove.

What has Nurse Nina observed on home visits to near neighbors of indoor residential wood burners as evidence that PM_{2.5}, particulate matter from wood burning may be causing a preventable disease, part 5 of

5?
\$ 1000



Category 4, \$200 Answer, Category 4) Ordinary Otto in the Kitchen, owner of an indoor residential wood burning stove.

Ordinary Otto gives as reason number 1 that he burns wood in his suburban home which already has a natural gas furnace with a connection to natural gas line running down his street, that he is indigent, and too poor to heat with any other fuel, despite having the most expensive house on the block.

[Click here for the answer](#)



Solution:

Category 4, \$200 Question, Category 4) Ordinary Otto in the Kitchen, owner of an indoor residential wood burning stove. What does Ordinary Otto give as reason number 1 that he burns wood in his suburban home which already has a natural gas furnace with a connection to natural gas line running down his street?

\$ 200





Category 4, \$400 Answer, Category 4) Ordinary Otto in the Kitchen, owner of an indoor residential wood burning stove.

Ordinary Otto gives as reason number 2 that he burns wood in his suburban home which already has a natural gas furnace with a connection to natural gas line running down his street, that he is indigent after losing his job and he is now too poor to heat with any other fuel, despite the fact that he is now eligible for monthly government help from the Low Income Home Energy Assistance Program (LIHEAP).

[Click here for the answer](#)



Category 4, \$400 Question, Category 4) Ordinary Otto in the Kitchen, owner of an indoor residential wood burning stove. What does Ordinary Otto give as reason number 2 that he burns wood in his suburban home which already has a natural gas furnace with a connection to natural gas line running down his street?



\$ 400





Category 4, \$600 Answer, Category 4) Ordinary Otto in the Kitchen, owner of an indoor residential wood burning stove.

Ordinary Otto gives as reason number 3 that he burns wood in his suburban home which already has a natural gas furnace with a connection to natural gas line running down his street, that he is indigent after losing his job and he is now too poor to heat with any other fuel, despite the fact that he is now eligible for an up to \$8,000 Heat Pump rebate based on a sliding income scale to replace even his relatively clean bridge natural gas furnace.

[Click here for the answer](#)



Category 4, \$600 Question, Category 4) Ordinary Otto in the Kitchen, owner of an indoor residential wood burning stove.

What does Ordinary Otto give as reason number 3 that he burns wood in his suburban home which already has a natural gas furnace with a connection to natural gas line running down his street?

\$ 600





Category 4, \$800 Answer, Category 4) Ordinary Otto in the Kitchen, owner of an indoor residential wood burning stove. Ordinary Otto gives as reason number 4 that he burns wood in his suburban home which already has a natural gas furnace with a connection to natural gas line running down his street, that he is indigent after losing his job and he is now too poor to heat with any other fuel, despite the fact he is now eligible for an up to \$8,000 Heat Pump rebate based on a sliding income scale to replace even his relatively clean bridge natural gas furnace. He says that Heat Pumps do not work in cold climates, even though Heat Pumps in 2024 work down to 40 degrees below zero (Fahrenheit and Centigrade temperature scales briefly converge at 40 degrees below zero).

[Click here for the answer](#)



Solution:

Category 4, \$800 Question, Category 4) Ordinary Otto in the Kitchen, owner of an indoor residential wood burning stove.

What does Ordinary Otto give as reason number 4 that he burns wood in his suburban home which already has a natural gas furnace with a connection to natural gas line running down his street?

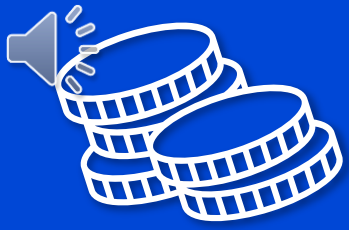
\$ 800





Category 4, \$1,000 Answer, Category 4) Ordinary Otto in the Kitchen, owner of an indoor residential wood burning stove. Ordinary Otto gives as reason number 4 that he burns wood in his suburban home which already has a natural gas furnace with a connection to natural gas line running down his street, that he is indigent after losing his job and he is now too poor to heat with any other fuel, despite the fact that he is now eligible for an up to \$8,000 Heat Pump rebate based on a sliding income scale to replace even his relatively clean bridge natural gas furnace. He says that he cannot afford both heating and cooling bills for his home. He is informed that Heat Pumps now work as home heating and home cooling to replace conventional air conditioners, and that running a Heat Pump on an electric grid brings down conventional monthly heating bills immediately.

[Click here for the answer](#)



Solution:

Category 4, \$1,000 Question, Category 4) Ordinary Otto in the Kitchen, owner of an indoor residential wood burning stove.

What does Ordinary Otto give as reason number 5 that he burns wood in his suburban home which already has a natural gas furnace with a connection to natural gas line running down his street?

\$ 1000



Category 5, \$200 Answer, 5) Scientist Stacey in the Laboratory, near neighbor of an indoor residential wood burning stove. Scientist Stacy's downloaded PurpleAir PM2.5 monitor data showed levels of PM2.5 above NAAQS due to Stacey being the near neighbor of an indoor residential wood burner.

[Click here for the answer](#)



Solution:

\$ Category 5, \$200 Question, 5) Scientist Stacey in the Laboratory, near neighbor of an indoor residential wood burning stove. What scientific research studies has Scientist Stacey conducted by downloading PM2.5 levels above National Ambient Air Quality Standards (NAAQS) from PurpleAir PM2.5 monitors in the yards of near neighbors of indoor residential wood burners, part 1 of 5? \$

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Category 5, \$400 Answer, 5) Scientist Stacey in the Laboratory, near neighbor of an indoor residential wood burning stove. Scientist Stacy's downloaded PurpleAir PM2.5 monitor data, from the yards of near neighbors, showing levels of PM2.5 above NAAQS were reliable evidence of air pollution from wood burning, unlike the unreliability of the debunked program of testing indoor residential wood burner PM2.5 emissions named New Source Performance Standards (NSPS) since 1987 conducted by the Environmental Protection Agency (EPA), a program called a "failed program" by the Office of the Inspector General, watchdog of the EPA, in a February 2023 report, because of lack of compliance by wood burning manufacturers to even the lax standards of the EPA.

[Click here for the answer](#)



Solution:

Category 5, \$400 Question, 5) Scientist Stacey in the Laboratory, near neighbor of an indoor residential wood burning stove. What scientific research studies has Scientist Stacey conducted by downloading PM2.5 levels above National Ambient Air Quality Standards from PurpleAir PM2.5 monitors in the yards of near neighbors of indoor residential wood burners, part 2 of 5?



\$ 400





Category 5, \$600 Answer, 5) Scientist Stacey in the Laboratory, near neighbor of an indoor residential wood burning stove. Scientist Stacy's downloaded PurpleAir PM2.5 monitor data, from the yards of near neighbors, showing levels of PM2.5 above NAAQS were reliable evidence of air pollution from wood burning, used as evidence to shut down indoor residential wood burning one municipality at a time through local ordinances against air pollution.

[Click here for the answer](#)



Solution:

Category 5, \$600 Question, 5) Scientist Stacey in the Laboratory, near neighbor of an indoor residential wood burning stove. What scientific research studies has Scientist Stacey conducted by downloading PM2.5 levels above National Ambient Air Quality Standards from PurpleAir PM2.5 monitors in the yards of near neighbors of indoor residential wood burners, part 1 of 5?

\$ 600





Category 5, \$800 Answer, 5) Scientist Stacey in the Laboratory, near neighbor of an indoor residential wood burning stove. Scientist Stacy's downloaded PurpleAir PM2.5 monitor data, from the yards of near neighbors, showing levels of PM2.5 above NAAQS were reliable evidence of air pollution from wood burning, used as evidence to shut down indoor residential wood burning statewide through a state law against air pollution.

[Click here for the answer](#)



Category 5, \$800 Question, 5) Scientist Stacey in the Laboratory, near neighbor of an indoor residential wood burning stove.

What scientific research studies has Scientist Stacey conducted by downloading PM2.5 levels above National Ambient Air Quality Standards from PurpleAir PM2.5 monitors in the yards of near neighbors of indoor residential wood burners, part 4 of 5?

\$ 800



Category 5, \$1,000 Answer, 5) Scientist Stacey in the Laboratory, near neighbor of an indoor residential wood burning stove. Scientist Stacy's downloaded PurpleAir PM2.5 monitor data, from the yards of near neighbors, showing levels of PM2.5 above NAAQS were reliable evidence of air pollution from wood burning, used as evidence to shut down indoor residential wood burning nationwide through a federal law against air pollution.

[Click here for the answer](#)



Solution:

Category 5, \$1,000 Question, 5) Scientist Stacey in the Laboratory, near neighbor of an indoor residential wood burning stove. What scientific research studies has Scientist Stacey conducted by downloading PM_{2.5} levels above National Ambient Air Quality Standards from PurpleAir PM_{2.5} monitors in the yards of near neighbors of indoor residential wood burners, part 5 of 5?

\$ 1000



Category 6 \$200 Answer, 6) Statistician Stan in the Conservatory, near neighbor of an indoor residential wood burning stove. A statistical study can show that one person can do two things at the same time: 1) stop burning wood at home and 2) ask industries to stop burning wood, and instead use the cleaner energy sources of wind, solar and geothermal.

[Click here for the answer](#)



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Category 6 \$200 Question, 6) Statistician Stan in the Conservatory, near neighbor of an indoor residential wood burning stove. What statistical research studies has Statistician Stan conducted as evidence that PM2.5, particulate matter from wood burning can be reduced if one person stops burning wood at home, although one person's actions as part of the aggregate pollution are not enough in itself to help slow Climate Change?

\$ 200





Category 6, \$400 Answer, 6) Statistician Stan in the Conservatory, near neighbor of an indoor residential wood burning stove.

A statistical study can show that one person stopping wood burning residentially does not just stop sickening the family within the home, but also stops sickening the near neighbors of indoor residential wood burners.

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Category 6, \$400 Question, 6) Statistician Stan in the Conservatory, near neighbor of an indoor residential wood burning stove. What statistical research studies has Statistician Stan conducted as evidence that PM2.5, particulate matter from wood burning can be reduced if one person stops burning wood at home, because stopping wood burning residentially lessens the risk of sickening your own family, although one person's actions as part of the aggregate pollution are not enough in itself to help slow Climate Change?

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Category 6, \$600 Answer, 6) Statistician Stan in the Conservatory, near neighbor of an indoor residential wood burning stove. A statistical study can show that stopping wood burning residentially also lessen the risk of sickening all the people in your neighborhood.

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Category 6, \$600 Question, 6) Statistician Stan in the Conservatory, near neighbor of an indoor residential wood burning stove.



What statistical research studies has

Statistician Stan conducted as evidence that PM_{2.5}, particulate matter from wood burning can be reduced if one person stops burning wood at home, because stopping wood burning residentially lessens the risk of sickening your neighbors, near and far although one person's actions as part of the aggregate pollution are not enough in itself to help slow Climate Change?

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Category 6, \$800 Answer, 6) Statistician Stan in the Conservatory, near neighbor of an indoor residential wood burning stove. A statistical study can show that If you stop burning wood, you can serve as an example for other people to stop burning wood.

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Solution:



Category 6, \$800 Question, 6) Statistician Stan in the Conservatory, near neighbor of an indoor residential wood burning stove. What statistical research studies has Statistician Stan conducted as evidence that PM_{2.5}, particulate matter from wood burning can be reduced if you decide to be a role model by stopping burning wood yourself although one person's actions as part of the aggregate pollution are not enough in itself to help slow Climate Change?

\$ 800



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Category 6, \$1,000 Answer, 6) Statistician Stan in the Conservatory, near neighbor of an indoor residential wood burning stove. Statistics tell us that if you tell other people that in addition to asking industries to stop burning fossil fuels and stop burning wood (biomass), individuals can contribute to clean air, increase Public Health and slow Climate Change by stopping burning wood indoors residentially.

[Click here for the answer](#)



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Category 6, \$1,000 Question, 6) Statistician Stan in the Conservatory, near neighbor of an indoor residential wood burning stove.

Statistical Stand touches on this question while doing his studies. What can you tell other people to do, now that you know that wood burning emits 2.8 times the PM_{2.5} as the fossil fuel coal burning, and that wood burning emits 450 times the PM_{2.5} as the fossil fuel natural gas burning? Wood burning emits 90% PM_{2.5}, particulate matter of 2.5 micrometer size, the perfect size to infiltrate the human lung, setting off a cascade of human health problems and early deaths. Double Jeopardy if no action is taken.

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