



# National Chemistry Week

October 21-27

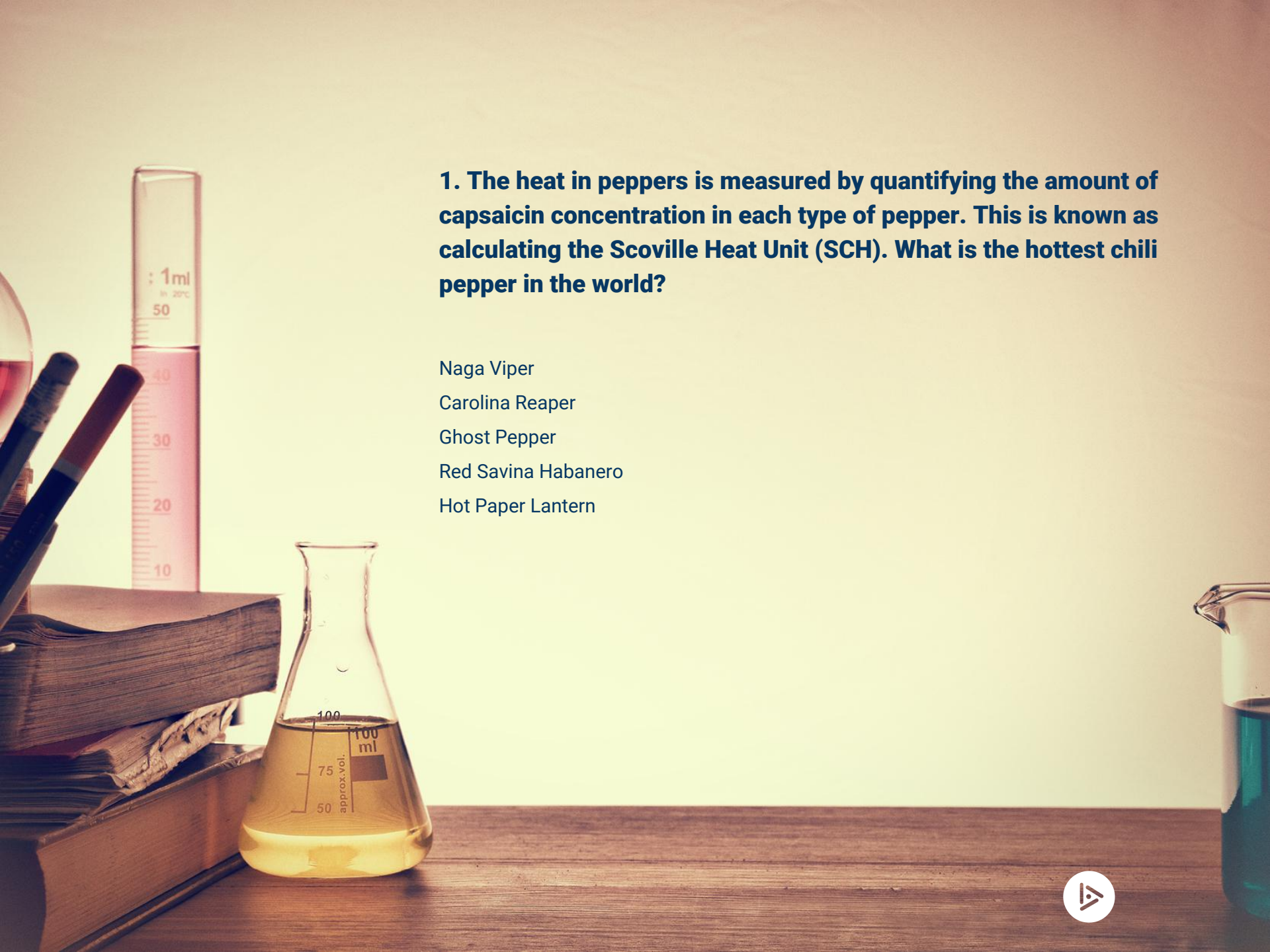
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## iClicker trivia

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**1. The heat in peppers is measured by quantifying the amount of capsaicin concentration in each type of pepper. This is known as calculating the Scoville Heat Unit (SCH). What is the hottest chili pepper in the world?**

Naga Viper

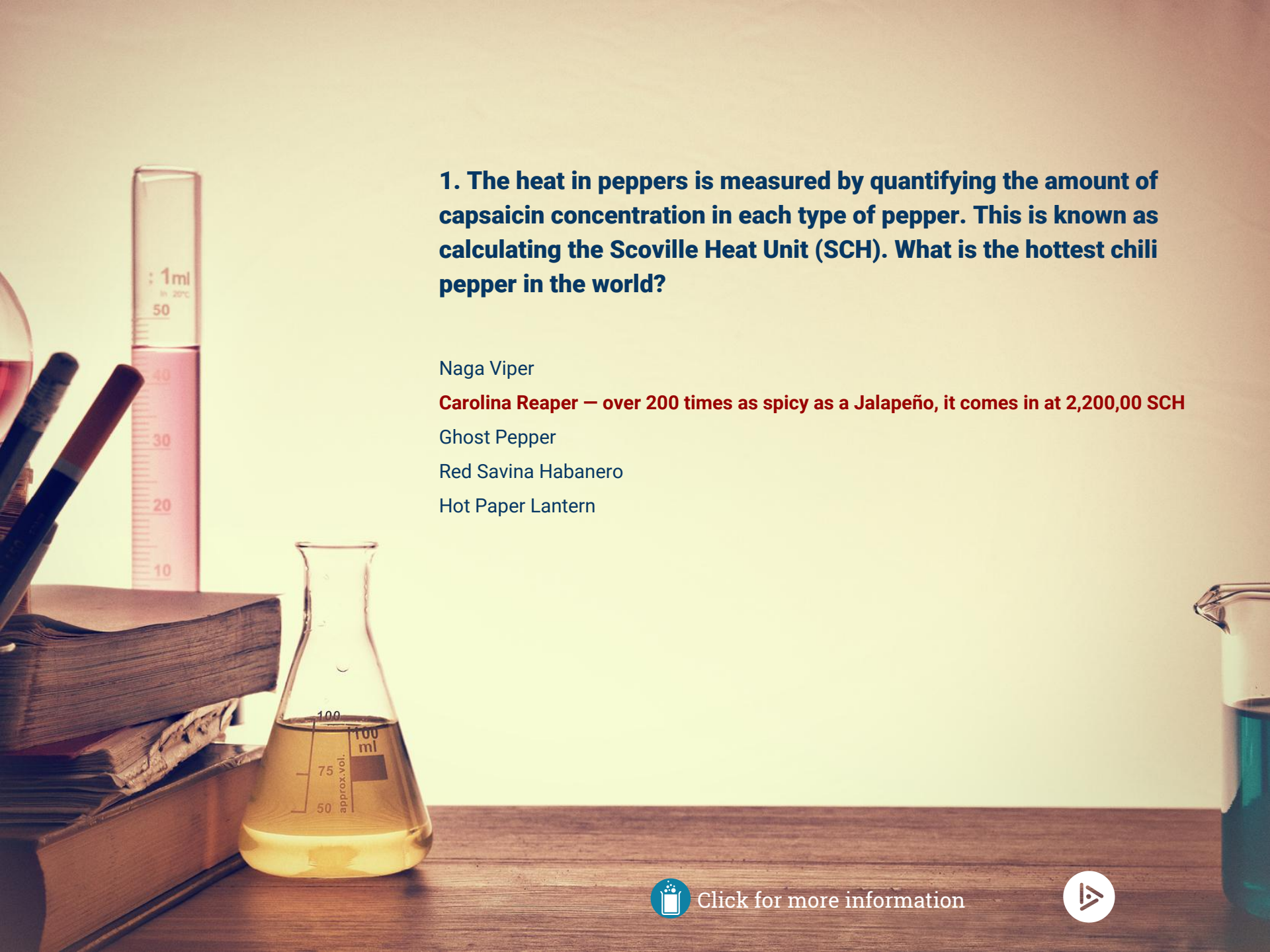
Carolina Reaper

Ghost Pepper

Red Savina Habanero

Hot Paper Lantern





1. The heat in peppers is measured by quantifying the amount of capsaicin concentration in each type of pepper. This is known as calculating the Scoville Heat Unit (SCH). What is the hottest chili pepper in the world?

Naga Viper

**Carolina Reaper** – over 200 times as spicy as a Jalapeño, it comes in at 2,200,00 SCH

Ghost Pepper

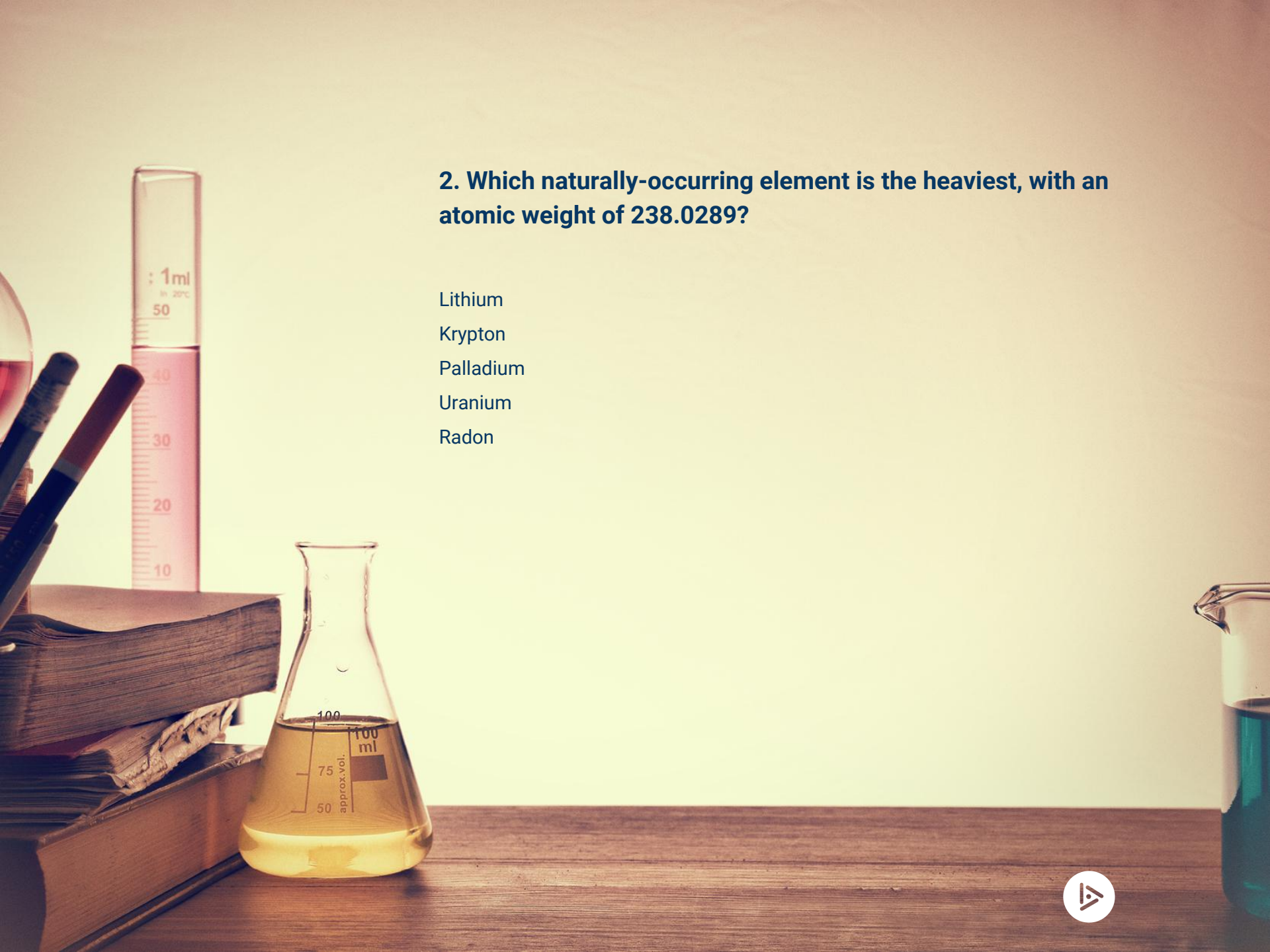
Red Savina Habanero

Hot Paper Lantern



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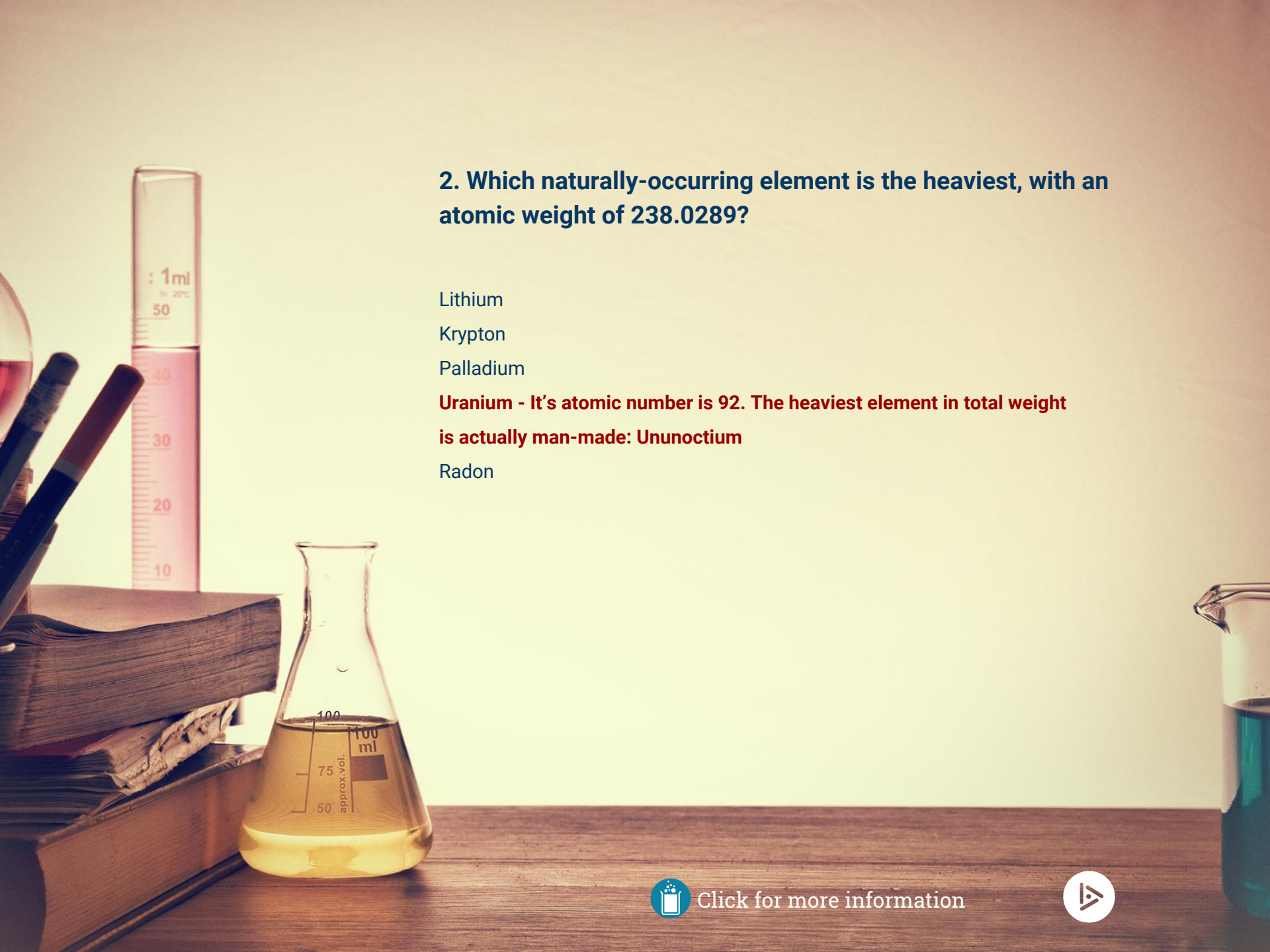




**2. Which naturally-occurring element is the heaviest, with an atomic weight of 238.0289?**

- Lithium
- Krypton
- Palladium
- Uranium
- Radon





2. Which naturally-occurring element is the heaviest, with an atomic weight of 238.0289?

Lithium

Krypton

Palladium

**Uranium - It's atomic number is 92. The heaviest element in total weight is actually man-made: Ununoctium**

Radon



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### 3. What is the most common metal in the earth's crust?

Iron - composes 5% of the earth's crust

Titanium - composes .44% of the earth's crust

Manganese - composes .10% of the earth's crust

Copper - composes .01% of the earth's crust

Aluminum



### 3. What is the most common metal in the earth's crust?

Iron - composes 5% of the earth's crust

Titanium - composes .44% of the earth's crust

Manganese - composes .10% of the earth's crust

Copper - composes .01% of the earth's crust

**Aluminum - composes 8.13% of the earth's crust**



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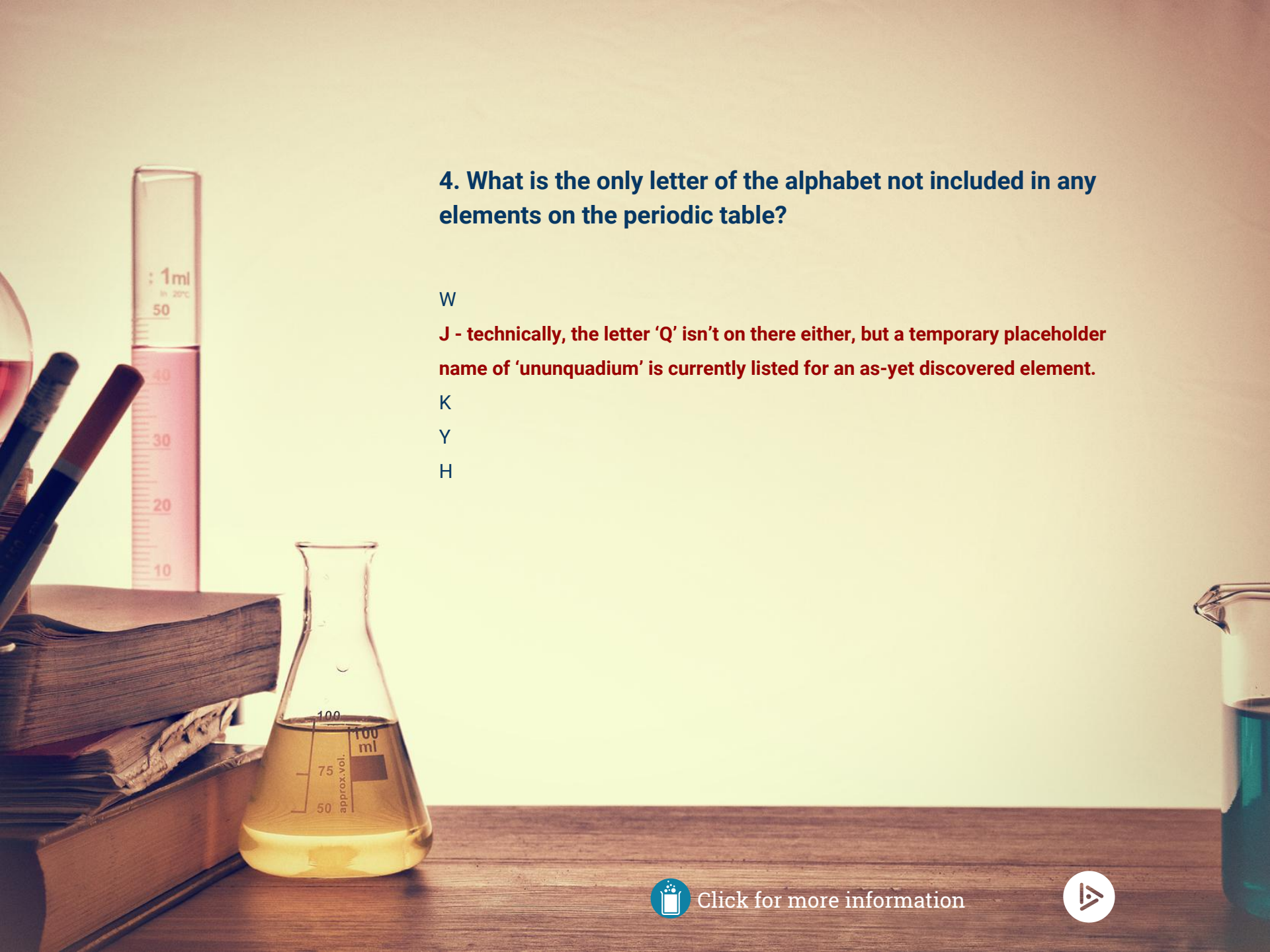


**4. What is the only letter of the alphabet not included in any elements on the periodic table?**

W  
J  
K  
Y  
H







4. What is the only letter of the alphabet not included in any elements on the periodic table?

W

**J - technically, the letter 'Q' isn't on there either, but a temporary placeholder name of 'ununquadium' is currently listed for an as-yet discovered element.**

K

Y

H



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## 5. What will happen if you expose a glass of water to space?

It freezes

It glows

It boils

It evaporates

It bursts into flames



## 5. What will happen if you expose a glass of water to space?

It freezes

It glows

**It boils - water boils in space because space is a vacuum. But, the water vapor that forms will crystallize into ice afterward.**

It evaporates

It bursts into flames



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## 6. What is the hardest chemical in your body?

Tooth enamel

Skull

Fingernails

Kidney stone

Femur



## 6. What is the hardest chemical in your body?

**Tooth enamel (get a better reason for why)**

Skull

Fingernails

Kidney stone

Femur

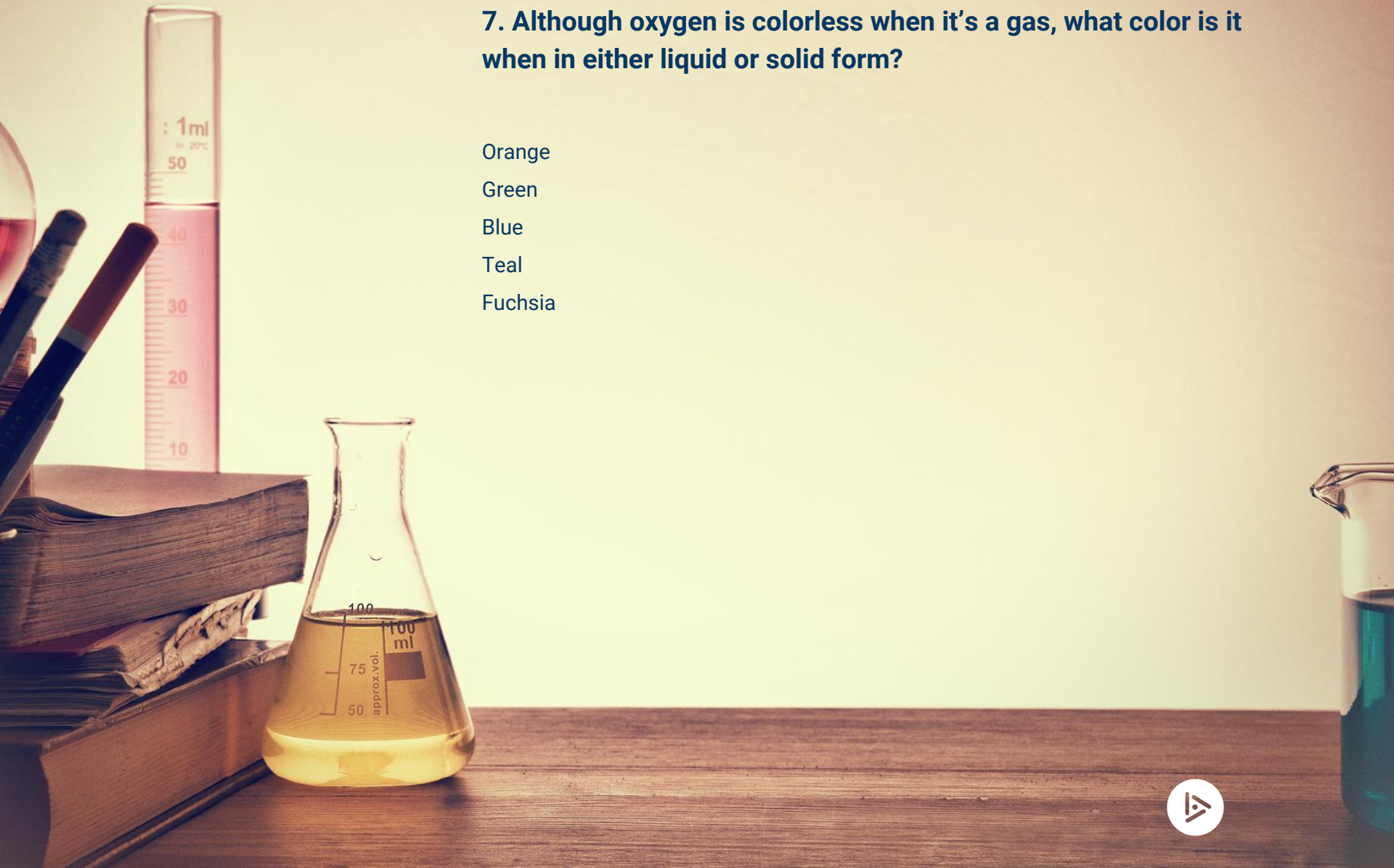


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**7. Although oxygen is colorless when it's a gas, what color is it when in either liquid or solid form?**

- Orange
- Green
- Blue
- Teal
- Fuchsia



7. Although oxygen is colorless when it's a gas, what color is it when in either liquid or solid form?

Orange

Green

**Blue**

Teal

Fuchsia



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**8. One inch of rain is equal to how many inches of snow?**

- One inch
- 5 inches
- 7 inches
- 10 inches
- 14 inches





A laboratory setting with a test tube, a flask, and books. The test tube is on the left, containing a pink liquid. The flask is in the center, containing a yellow liquid. The books are on the left side of the desk. The background is a plain, light-colored wall.

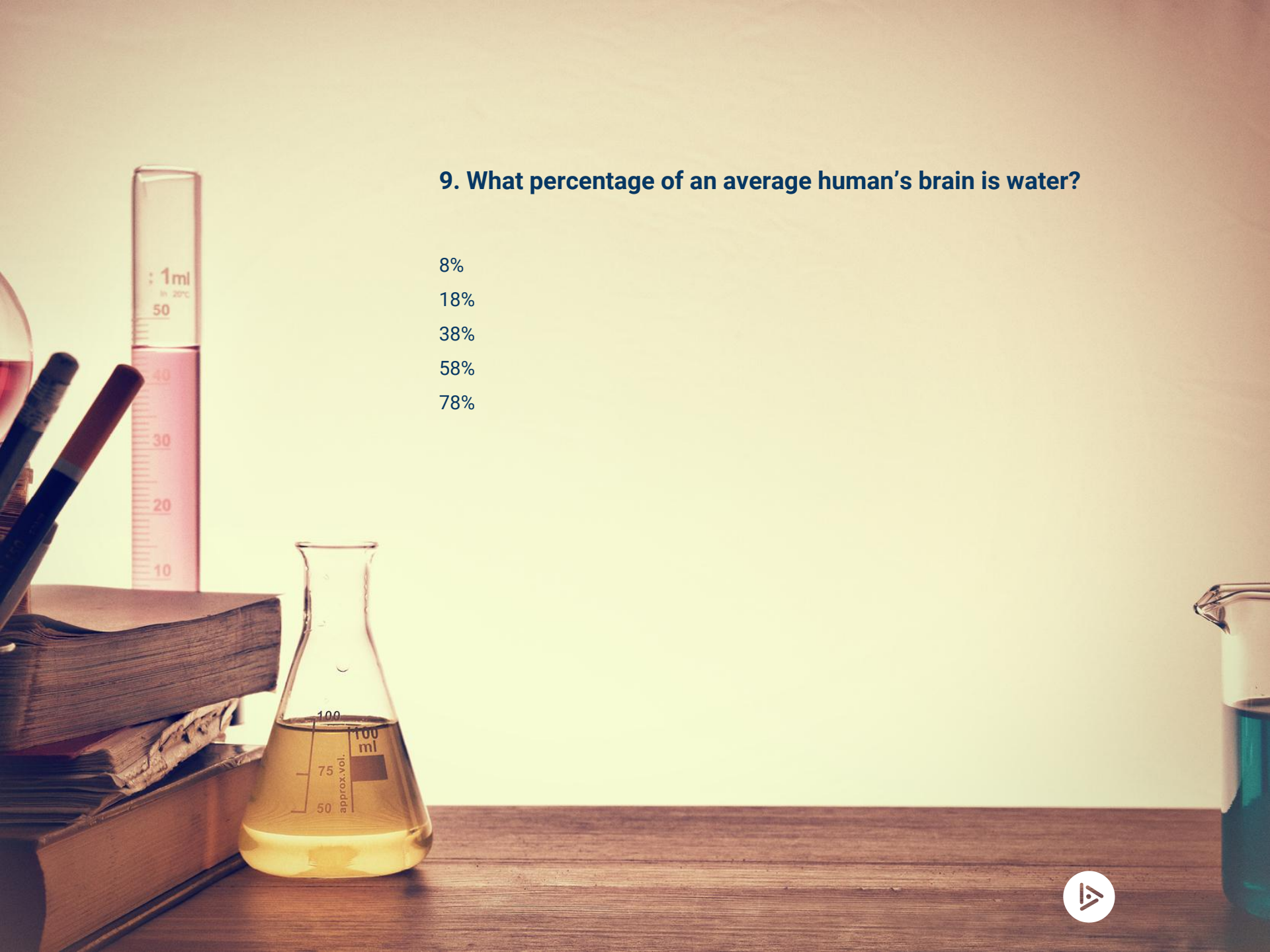
8. One inch of rain is equal to how many inches of snow?

- One inch
- 5 inches
- 7 inches
- 10 inches**
- 14 inches



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A laboratory setting with a test tube, a flask, and books on a wooden table. The test tube is on the left, containing a pink liquid. The flask is in the center, containing a yellow liquid. The books are stacked on the left. The background is a plain, light-colored wall.

## 9. What percentage of an average human's brain is water?

8%

18%

38%

58%

78%



## 9. What percentage of an average human's brain is water?

8%

18%

38%

58%

**78% - it's also the fattiest organ in the body, consisting of a minimum of 60% fat.**



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## 10. What English chemist and physicist discovered hydrogen?

Henry Cavendish

Sir William Crookes

Bernard Shaw

Dorothy Hodgkin

John Macleod



## 10. What English chemist and physicist discovered hydrogen?

**Henry Cavendish - he also determined the mass of the Earth**

Sir William Crookes

Bernard Shaw

Dorothy Hodgkin

John Macleod



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