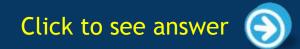
LEUPARDS Science Review: Matter

Science Review: Matter

States of Matter	Vocabulary	Changes of State	Properties of Matter	Solids vs. Liquids vs. Gases
\$100	\$100	\$100	\$100	\$100
\$200	\$200	\$200	\$200	\$200
\$300	\$300	\$300	\$300	\$300
\$400	\$400	\$400	\$400	\$400
\$500	\$500	\$500	\$500	\$500

Topic 1 - \$100 Question

What are the three states of matter?



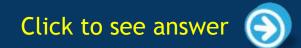
Topic 1 - \$100 Answer

Solids, Liquids, and Gases



Topic 1 - \$200 Question

Name a physical property of a solid



Topic 1 - \$200 Answer

Hard, shiny, or rough



Topic 1 - \$300 Question

Name a physical property of a liquid



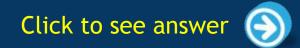
Topic 1 - \$300 Answer

Wet, runny, or sticky



Topic 1 - \$400 Question

Name a physical property of a gas



Topic 1 - \$400 Answer

Invisible, odorless, or colorless



Topic 1 - \$500 Question

Explain why a gas can fill any container



Topic 1 - \$500 Answer

Because gas particles move freely and spread out to fill any space



Topic 2 - \$100 Question

What is viscosity?





Topic 2 - \$100 Answer

How thick or thin a liquid is



Topic 2 - \$200 Question

What is texture?



Topic 2 - \$200 Answer

How something feels



Topic 2 - \$300 Question

What is temperature?



Topic 2 - \$300 Answer

How hot or cold something is



Topic 2 - \$400 Question

Give an example of something with high viscosity



Topic 2 - \$400 Answer

Examples: Honey, peanut butter, syrup, or caramel



Topic 2 - \$500 Question

What does it mean when something is malleable?



Topic 2 - \$500 Answer

Something that can be easily bent or shaped without breaking



Topic 3 - \$100 Question

What happens to water when it is heated?



Topic 3 - \$100 Answer

It turns into steam or water vapor



Topic 3 - \$200 Question

What happens to water when it is cooled?



Topic 3 - \$200 Answer

It turns into ice



Topic 3 - \$300 Question

What happens to ice when it is heated?



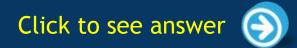
Topic 3 - \$300 Answer

It turns into a liquid



Topic 3 - \$400 Question

If you cook an egg, does the egg go through a reversible or non-reversible change?



Topic 3 - \$400 Answer

Non-reversible



Topic 3 - \$500 Question

When an ice cube melts in a cup, goes the ice go through a reversible or non-reversible change?



Topic 3 - \$500 Answer

Reversible



Topic 4 - \$100 Question

Name four ways we can observe matter



Topic 4 - \$100 Answer

Sight, smell, taste, touch



Topic 4 - \$200 Question

How are particles arranged in a solid?



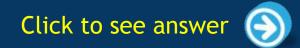
Topic 4 - \$200 Answer

They are packed tightly together



Topic 4 - \$300 Question

How are the particles arranged in a liquid?



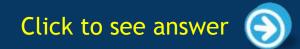
Topic 4 - \$300 Answer

They are loosely packed together.



Topic 4 - \$400 Question

How are the particles arranged in a gas?



Topic 4 - \$400 Answer

They are spread far apart.



Topic 4 - \$500 Question

Why does a solid keep its shape?



Topic 4 - \$500 Answer

The particles are tightly packed together and vibrate in place



Topic 5 - \$100 Question

Give an example of a solid



Topic 5 - \$100 Answer

Examples: Book, desk, computer, door, or cup.



Topic 5 - \$200 Question

Give an example of a liquid



Topic 5 - \$200 Answer

Water, juice, rain, or milk



Topic 5 - \$300 Question

Give an example of a gas



Topic 5 - \$300 Answer

Water vapor, helium in balloons, or smoke



Topic 5 - \$400 Question

If you leave ice cream out on a hot day, what state of matter will it turn into?



Topic 5 - \$400 Answer

Liquid



Topic 5 - \$500 Question

If you breathe on a cold window, what might happen?



Topic 5 - \$500 Answer

The warm air from your breath can condense on the cold window, making water droplets



FINAL E PARJU

Topic: Everyday Science



Final Jeopardy Question

Why does a cold water bottle form water droplets on the outside on a hot day?



Final Jeopardy Answer

The cold bottle cools the air around it, condensing the water vapor in the air to form droplets. This is called condensation!

