



How would you describe some of the things you see around you?

What are some *opposite* properties that objects and substances can have?



How might objects and substances change?

What is matter?



How would you explain why air leaves a bottle when water is poured in?

What are two different objects that take up about the same amount of space?



What problems might occur if two objects could take up the same space?

Can you think of anything that isn't matter?



Solids, Liquids, and Gases ::|· Types of Matter

What are the three main forms of matter, and what name is used for the group of them?

Science a-z.com (remembering)

Solids, Liquids, and Gases ::|· Types of Matter

What are some examples of solids, liquids, and gases?

Science a-z.com (applying)



Solids, Liquids, and Gases ::|· Types of Matter

Why is a rock considered to be a solid?

Science a-z.com (understanding)

Solids, Liquids, and Gases ::|· Types of Matter

What properties does milk have that make it a liquid?

Science a-z.com (analyzing)



Solids, Liquids, and Gases ::|· Types of Matter

How are liquids similar to and different from gases?

Science a-z.com (understanding)

Solids, Liquids, and Gases ::|· Types of Matter

What is a characteristic of solids that makes them different from both liquids and gases?

Science a-z.com (understanding)



Solids, Liquids, and Gases ::|· Types of Matter

How can we use our sense of touch to tell that air exists?

Science a-z.com (understanding)

Solids, Liquids, and Gases ::|· Types of Matter

Why are forms of energy, such as heat or electricity, not considered to be matter?

Science a-z.com (remembering)



Solids, Liquids, and Gases ::|· Types of Matter

What state of matter would you consider toothpaste to be? Whipped cream? Gelatin? Hair spray?

Science a-z.com (creating)

Solids, Liquids, and Gases ::|· Types of Matter

Is one state of matter more useful to you than any other, or are all three equally important?

Science a-z.com (evaluating)



Solids, Liquids, and Gases ::|· Changing Matter

What is one example of matter changing from one state to another?

Science a-z.com (applying)

Solids, Liquids, and Gases ::|· Changing Matter

How does temperature affect states of matter?

Science a-z.com (understanding)



Solids, Liquids, and Gases ::|· Changing Matter

What is the process called in which liquid water turns to water vapor?

Science a-z.com (remembering)

Solids, Liquids, and Gases ::|· Changing Matter

What is the process called in which water vapor turns to liquid water?

Science a-z.com (remembering)



Solids, Liquids, and Gases : Changing Matter

Why does the book suggest putting a cover over a fish tank?

Science a-z.com (understanding)

Solids, Liquids, and Gases ::|· Changing Matter

How could you prove that the water on the outside of a cold glass did not come from inside the glass?

Science a-z.com (creating)



Solids, Liquids, and Gases ::|· Changing Matter

How might a solid metal bar change into a liquid?

Science a-z.com

(applying)

Solids, Liquids, and Gases ::|· Changing Matter

What might happen if all other substances changed between states as easily as water does?

Science a-z.com

(analyzing)



Solids, Liquids, and Gases ::|· Changing Matter

Where is most of Earth's water found as a liquid?  
As a solid? As a gas?

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(remembering)

Solids, Liquids, and Gases ::|· Combining Matter

What is a *mixture*?

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(remembering)



Solids, Liquids, and Gases ::|· Combining Matter

What is one thing that is a mixture of both solids and liquids?

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(creating)

Solids, Liquids, and Gases ::|· Combining Matter

Which is a *solution*: a cup of hot tea or a bowl of cereal in milk? Why?

Science a-z.com

(understanding)



Solids, Liquids, and Gases ::|· Combining Matter

Why is a combination of oil and water not considered to be a solution?

Science a-z.com

(analyzing)

Solids, Liquids, and Gases ::|· Combining Matter

What could you add to a bowl of raisins to turn it into a mixture?

Science a-z.com

(applying)



Solids, Liquids, and Gases :|: Combining Matter

If you add red food dye to water for coloring eggs, have you prepared a mixture or a solution? Why?

Science a-z.com (applying)

Solids, Liquids, and Gases : Combining Matter

Why are mixtures considered to be a type of *physical change*?

Science a-z.com (remembering)



Solids, Liquids, and Gases :|: Combining Matter

What stays the same in substances that have undergone a physical change?

Science a-z.com (understanding)

Solids, Liquids, and Gases :|:| Combining Matter

Why might it be dangerous to combine certain solids, liquids, or gases?

Science a-z.com (creating)



Solids, Liquids, and Gases :|:| Conclusion

What problems could occur if water didn't change states so easily?

Science a-z.com (analyzing)

Solids, Liquids, and Gases :|:| Conclusion

What are some careers in which you might change materials from one state to another?

Science a-z.com (applying)



Solids, Liquids, and Gases :|:| Conclusion

Why is it important to understand what will happen when you combine two or more types of matter?

Science a-z.com (evaluating)

Solids, Liquids, and Gases

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