

Goal • Use this activity to review the particle theory of matter.

### What to Do

1. Take a bingo card and a sheet of answer cards. Fill in as many answers on your bingo card as you can in the time your teacher gives you. Keep your sheet of answer cards.
2. When the time is up, find people who have an answer card that matches answers that you are missing. Write the answer and the person's name in the square. If you do not understand a question, you can ask for help.
3. When you complete your card, call out "Bingo!" The first person to complete a card wins.
4. Submit your card to your teacher to check the answers and call the names to verify that those people have the matching answer cards.

DATE:

NAME:

CLASS:

Activity 8  
continued

## Bingo Card

<p>Name a state of matter.</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>What change of state occurs when a liquid changes into a gas?</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>Describe how the particles in a solid move.</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>Are the particles in a solid close or distant?</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>
<p>During freezing, is heat added or taken away?</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>State one point of the particle theory of matter.</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>Give an example of a solid.</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>What change of state occurs when a solid changes into a liquid?</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>
<p>Are the particles in a gas close or distant?</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>Does a solid have definite or indefinite volume?</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>During evaporation, is heat added or taken away?</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>Does a liquid have definite or indefinite volume?</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>
<p>Describe how the particles in a liquid move.</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>Name another state of matter.</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>Give an example of a gas.</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>What change of state occurs when a gas changes into a liquid?</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>

DATE:

NAME:

CLASS:

Activity 8  
continued

## Bingo Card

<p>Name a state of matter.</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>What change of state occurs when a liquid changes into a solid?</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>Describe how the particles in a solid move.</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>Are the particles in a solid close or distant?</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>
<p>During condensation, is heat added or taken away?</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>State one point of the particle theory of matter.</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>Give an example of a solid.</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>What change of state occurs when a solid changes into a liquid?</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>
<p>Are the particles in a liquid close or distant?</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>Does a solid have definite or indefinite volume?</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>During melting, is heat added or taken away?</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>Does a gas have definite or indefinite volume?</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>
<p>Describe how the particles in a gas move.</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>Name another state of matter.</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>Give an example of a gas.</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>What change of state occurs when a gas changes into a solid?</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>

## Bingo Card

<p>Name a state of matter.</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>What change of state occurs when a liquid changes into a gas?</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>Describe how the particles in a liquid move.</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>Are the particles in a gas close or distant?</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>
<p>During freezing, is heat added or taken away?</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>State one point of the particle theory of matter.</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>Give an example of a solid.</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>What change of state occurs when a gas changes into a liquid?</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>
<p>Are the particles in a liquid close or distant?</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>Does a liquid have definite or indefinite volume?</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>During condensation, is heat added or taken away?</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>Does a gas have definite or indefinite volume?</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>
<p>Describe how the particles in a gas move.</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>Name another state of matter.</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>Give an example of a gas.</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>	<p>What change of state occurs when a solid changes into a gas?</p> <p><b>Answer:</b> _____</p> <p><b>Name:</b> _____</p>

DATE:

NAME:

CLASS:

Activity 8  
continued

<p><b><u>ANSWER CARD</u></b></p> <p>solid</p>	<p><b><u>ANSWER CARD</u></b></p> <p>liquid</p>	<p><b><u>ANSWER CARD</u></b></p> <p>gas</p>
<p><b><u>ANSWER CARD</u></b></p> <p>water</p>	<p><b><u>ANSWER CARD</u></b></p> <p>ice</p>	<p><b><u>ANSWER CARD</u></b></p> <p>steam</p>
<p><b><u>ANSWER CARD</u></b></p> <p>evaporation (liquid → gas)</p>	<p><b><u>ANSWER CARD</u></b></p> <p>melting (solid → liquid)</p>	<p><b><u>ANSWER CARD</u></b></p> <p>condensation (gas → liquid)</p>
<p><b><u>ANSWER CARD</u></b></p> <p>freezing (liquid → solid)</p>	<p><b><u>ANSWER CARD</u></b></p> <p>sublimation (solid → gas)</p>	<p><b><u>ANSWER CARD</u></b></p> <p>deposition (gas → solid)</p>
<p><b><u>ANSWER CARD</u></b></p> <p>Particles in a solid vibrate.</p>	<p><b><u>ANSWER CARD</u></b></p> <p>Particles in a liquid are free-flowing.</p>	<p><b><u>ANSWER CARD</u></b></p> <p>Particles in a gas have random movement.</p>

<p><b><u>ANSWER CARD</u></b></p> <p>Particles in a solid are close.</p>	<p><b><u>ANSWER CARD</u></b></p> <p>Particles in a liquid are close.</p>	<p><b><u>ANSWER CARD</u></b></p> <p>Particles in a gas are distant.</p>
<p><b><u>ANSWER CARD</u></b></p> <p>A solid has definite volume.</p>	<p><b><u>ANSWER CARD</u></b></p> <p>A liquid has definite volume.</p>	<p><b><u>ANSWER CARD</u></b></p> <p>A gas has indefinite volume.</p>
<p><b><u>ANSWER CARD</u></b></p> <p>In evaporation, energy is added.</p>	<p><b><u>ANSWER CARD</u></b></p> <p>In melting, energy is added.</p>	<p><b><u>ANSWER CARD</u></b></p> <p>In condensation, energy is taken away.</p>
<p><b><u>ANSWER CARD</u></b></p> <p>In freezing, energy is taken away.</p>	<p><b><u>ANSWER CARD</u></b></p> <p>Attraction between particles can be weak or strong.</p>	<p><b><u>ANSWER CARD</u></b></p> <p>The particles are constantly moving.</p>
<p><b><u>ANSWER CARD</u></b></p> <p>There are spaces between the particles.</p>	<p><b><u>ANSWER CARD</u></b></p> <p>The particles of one substance are different from the particles of another substance.</p>	<p><b><u>ANSWER CARD</u></b></p> <p>All matter is made up of tiny particles.</p>