

# States of Matter Study Guide

(Chapter 3, section 1)

Name \_\_\_\_\_

Period \_\_\_\_\_

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1. What is a solid? What happens to the shape and volume of a solid if you move it from a small container to a larger container?

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2. What are three characteristics of particles in a solid?

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3. Complete this sentence:

This \_\_\_\_\_, \_\_\_\_\_ arrangement of \_\_\_\_\_ causes a \_\_\_\_\_ to have a \_\_\_\_\_ and \_\_\_\_\_.

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4. What are crystalline solids? What happens when you heat a crystalline solid?

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5. What are amorphous solids? What happens when you heat an amorphous solid?

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6. What is a liquid? What happens to the shape and volume of a liquid if you move it from a small container to a larger container?

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7. What are two characteristics of particles in a liquid?

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8. Complete these sentences:

Because its \_\_\_\_\_ are \_\_\_\_\_ to \_\_\_\_\_, a \_\_\_\_\_ has \_\_\_\_\_. However, it does have a \_\_\_\_\_.

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9. What is a fluid?

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10. What is surface tension?

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11. What is viscosity?

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12. What is a gas? What happens to the shape and volume of a gas if you move it from a small container to a larger container?

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13. Complete these sentences:

As they move, \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ apart,  
\_\_\_\_\_ the \_\_\_\_\_. Thus, a gas has  
\_\_\_\_\_  
\_\_\_\_\_.