Science Unit 2 Heat and States of Matter Study Guide

Fill in the blanks from the word bank below. Words may be used more than once or not at all.

**solid liquid gas vapor steam heat electricity cooling**

1. Liquid changes to a \_\_\_\_\_\_\_\_\_\_\_ when it is heated.

2. When a candle is lit it changes from a \_\_\_\_\_\_\_\_\_\_\_\_\_\_ to a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ must be increased or decreased for a change in matter to occur.

4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ can change a gas to a liquid.

5. Matter is most easily compressed as a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

6. Matter that has a definite shape is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

7. Water in its gaseous form is known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

8. When matter is in a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ form, it will completely fill a container.

9. Matter that has no definite size is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

10. Someone can smell the scent of perfume because it changes from a \_\_\_\_\_\_\_\_\_\_\_ to a \_\_\_\_\_\_\_\_\_\_\_.

Explain how liquids and gases are alike and different.

Explain how solids and liquids are alike and different.