

**Day 1**

These diagrams show atoms or molecules of a gas, a solid and a liquid. Tell which model shows each state of matter and explain how you know.

1



1. Shows molecules or atoms of a \_\_\_\_\_. I know that because \_\_\_\_\_

\_\_\_\_\_

2



2. Shows molecules or atoms of a \_\_\_\_\_. I know that because \_\_\_\_\_

\_\_\_\_\_

3



3. Shows molecules or atoms of a \_\_\_\_\_. I know that because \_\_\_\_\_

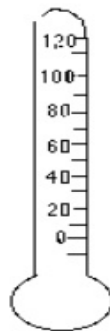
\_\_\_\_\_

**Day 2**

1. Fill in the blanks with "add heat energy" or "take away heat energy."
  - a. To change a solid to a liquid you have to \_\_\_\_\_.
  - b. To change a liquid to a solid you have \_\_\_\_\_.
  - c. To change a gas to a liquid you have to \_\_\_\_\_.
  - d. To change a liquid to a gas you have to \_\_\_\_\_.
2. The melting point of a substance is the \_\_\_\_\_.
3. The boiling point of a substance is the \_\_\_\_\_.
4. The melting point of ice water is \_\_\_\_\_ degrees Celsius.
5. The boiling point of liquid water is \_\_\_\_\_ degrees Celsius.
6. When you leave butter out in the hot sun it will
  - a. melt
  - b. change from a solid to a liquid
  - c. boil
  - d. change in shape
  - e. a and c
  - f. a,b and d

**Day 3**

Shade in the melting/freezing point for water on the Celsius thermometer on the right.



Shade in the boiling point for water on the Celsius thermometer on the right.

