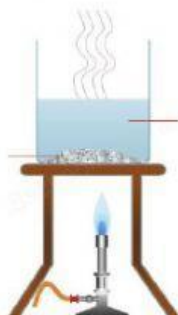


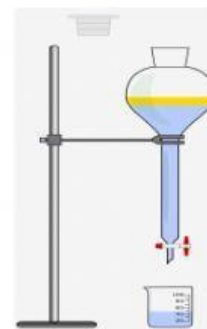
1. Read and write the type of substances. Then, select an example of each from the dropdown boxes.

- a. Two or more indistinguishable components _____
- b. Two or more distinguishable components _____
- c. Cannot be separated into other substances _____

2. Look at the pictures. Write each method of separation. Then, select an example of a mixture it can be used to separate from the dropdown boxes.







3. Complete the table with the correct temperatures. Then, answer the questions.

	water	mercury
melting point		
boiling point		

- Which substance requires more heat to change from liquid to gas?

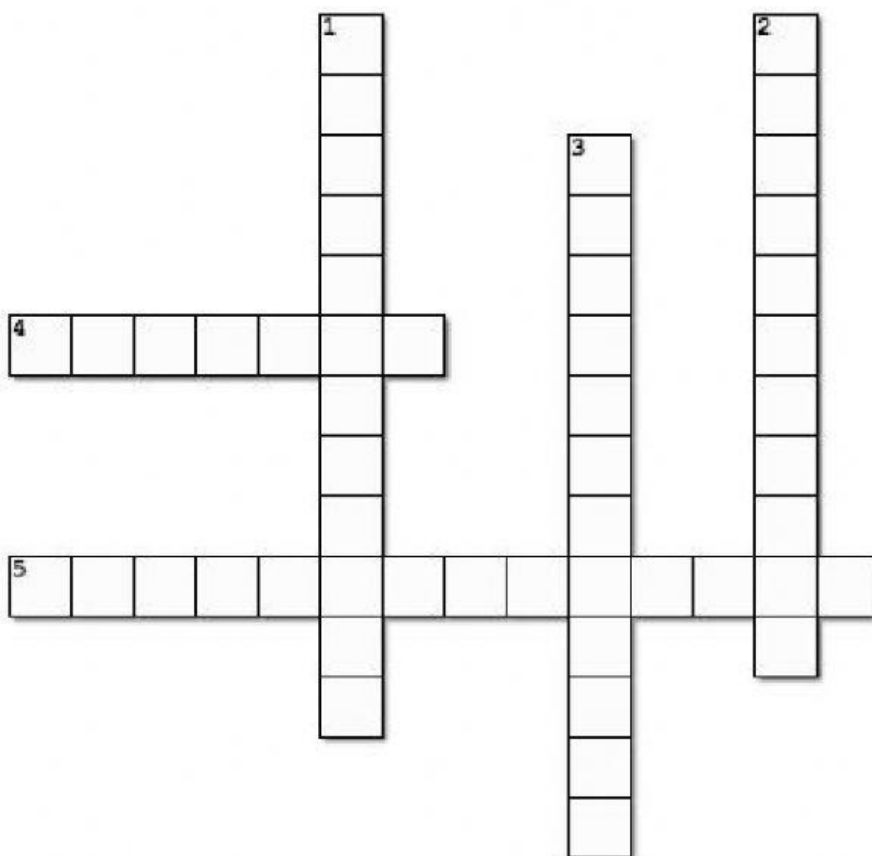
- What state are water and mercury in at $-20\text{ }^{\circ}\text{C}$?

Water: _____ Mercury: _____

- What state are water and mercury in at $260\text{ }^{\circ}\text{C}$?

Water: _____ Mercury: _____

4. Complete the crossword about changes of state. Then, answer the questions.



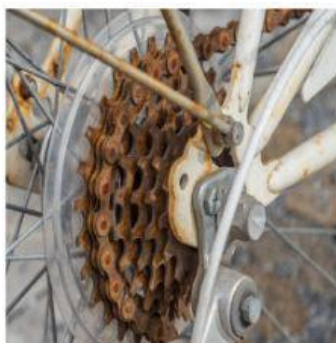
1. A gas turns into a liquid.
2. A solid turns into a gas.
3. A liquid turns into a gas.
4. A solid turns into a liquid.
5. A liquid turns into a solid.

- What change of state is missing?

- Does it require heating or cooling?

5. Label the type of chemical reaction occurring in the photos.







6. Select true or false. Then, correct the false sentences on the lines below.

- a. Physical changes produce new substances.
- b. Movement or pressure can cause physical changes in matter.
- c. Substances contract when heated and expand when cooled.
- d. Oxidation and combustion require oxygen to happen.
- e. Fermentation is used to produce some foods.
