

5.6A (M)

- Carl drew the following table to show the results of an experiment he did in science class.

Which items are attracted to a magnet?

Item	Yes	No
Block of wood		
Iron paper clip		
Nail		
Rubber band		
Drink can		
Metal scissors		
Ballpoint pen		

Which items listed that were included in this experiment did Carl most likely check “Yes” to on the table?

Select **TWO** correct answers.

- Drink can
- Rubber band
- Metal scissors
- Block of wood
- Iron paper clip

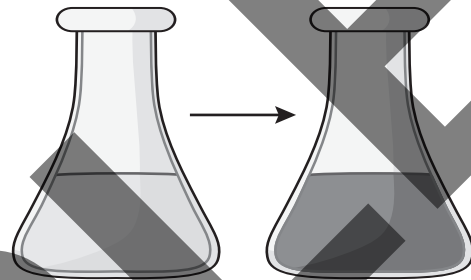
5.6A (L)

- When compared to other states of matter, which state of matter tends to have the lowest density?

- A Gas
- B Ice
- C Liquid
- D Solid

5.6C (M)

- The diagram below shows a flask containing a clear solution initially, and then the same flask after blue dye has been added and thoroughly mixed into the solution.



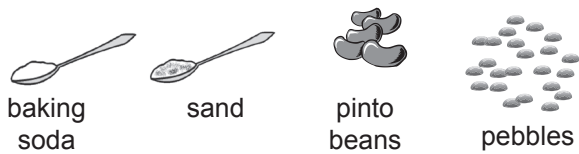
Based on the changes observed, which of the following are true?

Select **TWO** correct answers.

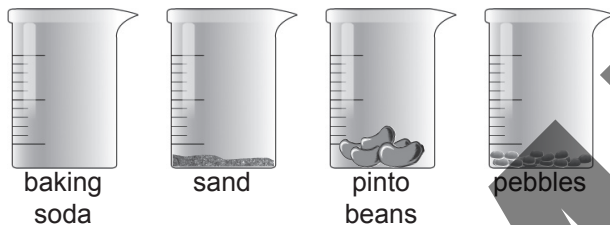
- The mass of the solution increases with the addition of the dye.
- The blue color indicates that the original solution has vanished.
- The thickness of the solution significantly increases after adding the dye.
- The level of the solution in the flask remains the same after the dye is added.
- The dye molecules are still present in the solution even though they cannot be individually seen.

5.6C (M)

1. Grant selected the materials shown below for a science experiment.



Grant placed each material in a separate beaker with two cups of water and stirred. He set the beakers aside for one hour.



Which material most likely dissolved in the water after one hour?

- A Baking soda
- B Pebbles
- C Pinto beans
- D Sand

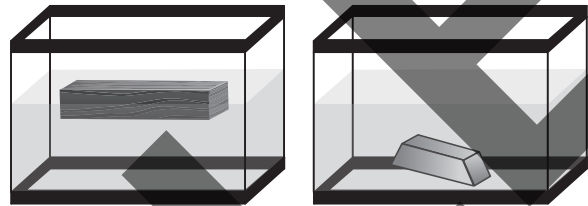
3.6C (L)

2. Mrs. Evans filled an ice-cube tray with water and placed the tray in a freezer set to  $0^{\circ}\text{C}$ . The water will become a—

- A gas
- B liquid
- C solid
- D vapor

5.6A (M)

3. Sara is conducting a science experiment. She places a block of wood and a block of iron in identical tanks of water. The diagram below shows what Sara observes.



Which conclusion is **BEST** supported by what Sara observed?

- A The block of wood is less dense than the block of iron.
- B The block of wood is more dense than the block of iron.
- C The block of wood has the same density as the block of iron.
- D The relative density of the block of wood and the block of iron are unknown.

3.9B (L)

1. Which of the following is **NOT** part of the solar system?
- A Asteroids
  - B Comets
  - C Galaxies
  - D Planets

5.9A (L)

2. How many times does Earth revolve around the Sun in one year?
- A 1
  - B 7
  - C 24
  - D 365

5.10C (M)

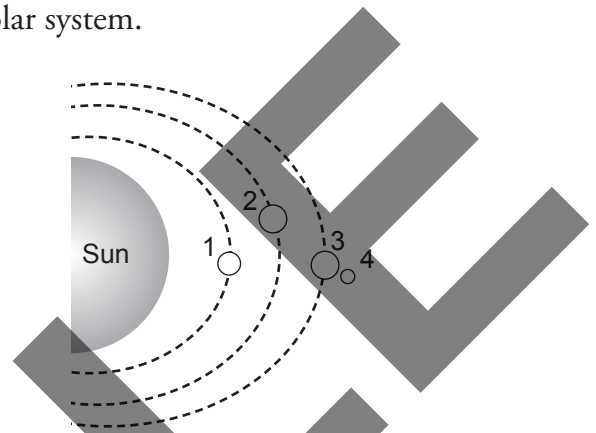
3. How does the movement of glaciers change the Earth's surface?
- A By forming deltas
  - B By depositing sand
  - C By creating sand dunes
  - D By eroding rock and soil

5.10B (L)

4. What is the first step in the formation of sedimentary rocks?
- A Cooling
  - B Compaction
  - C Crystallization
  - D Weathering and erosion

3.9B (M)

5. The diagram below shows part of the solar system.



Complete the table by writing the correct answer from the options below in each box. Not all of the options listed will be used.

- Earth
- Mars
- Mercury
- Moon
- Venus

1. _____	2. _____
3. _____	4. _____

3.9B (L)

6. Earth orbits the Sun between which two other planets?

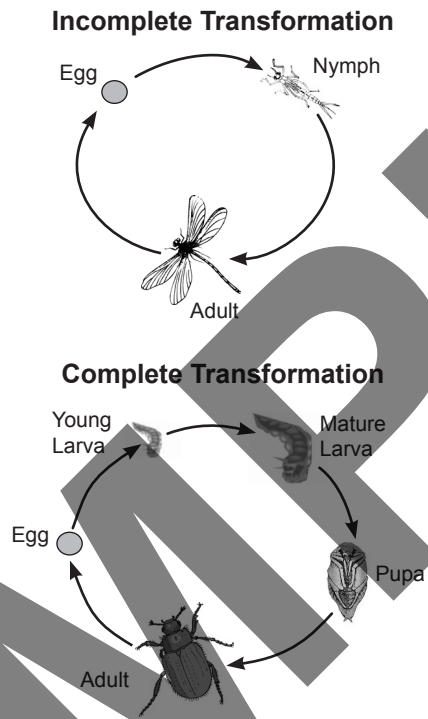
Select **TWO** correct answers.

- Jupiter
- Mars
- Mercury
- Saturn
- Venus

Use the following information and diagrams to answer question 1.

### Life Cycles

Some insects experience incomplete transformation where their development goes through fewer stages. Other insects experience a complete transformation with more stages of development.



3.13B (H)

1. What are **TWO** differences between an incomplete life cycle and a complete life cycle?

Look at the diagrams and read the question carefully. Then, record your answer in the box provided.

*continued on next page*