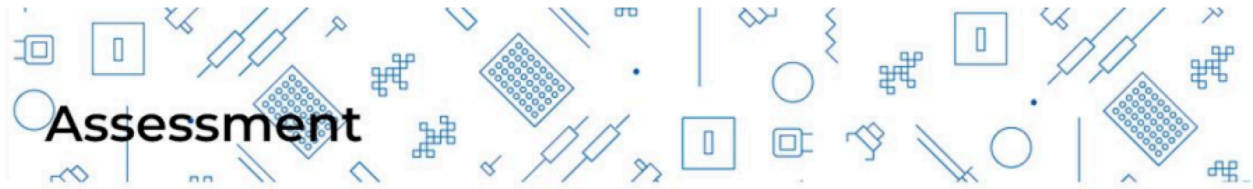


## Temperature Sensor - Lesson 4 Formative Assessment Questions

- 1) Heating soup is an example of:
  - a) Transferring energy from the soup.
  - b) Transferring energy to the soup.
  - c) Energy stays the same.
  - d) Adding matter.
  
- 2) Decreasing the temperature of water is an example of:
  - a) Transferring energy from the soup.
  - b) Transferring energy to the soup.
  - c) Energy stays the same.
  - d) Adding matter.
  
- 3) Transferring energy from a system can cause melting.
  - a) True
  - b) False
  
- 4) Transferring energy to a system can cause evaporation.
  - a) True
  - b) False
  
- 5) A solid becoming a liquid is considered:
  - a) Melting
  - b) Evaporation
  - c) Freezing
  - d) Condensation
  
- 6) A liquid becoming a solid is considered:
  - a) Melting
  - b) Evaporation
  - c) Freezing
  - d) Condensation
  
- 7) A gas becoming a liquid is considered:
  - a) Melting
  - b) Evaporation
  - c) Freezing
  - d) Condensation



### Temperature Sensor - Lesson 4 Formative Assessment Questions

- 8) A liquid becoming a gas is considered:
- a) Melting
  - b) Evaporation
  - c) Freezing
  - d) Condensation
- 9) To change phases, you must (Select all that apply.):
- a) Add matter.
  - b) Transfer energy to the system.
  - c) Remove matter.
  - d) Transfer energy from the system.
- 10) Explain how temperature, states of matter, and phase changes interact to create the water cycle.