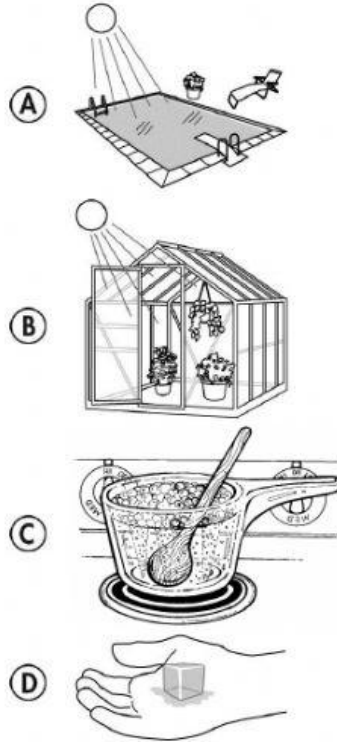


## What Is Heat?

- 1 Blayne uses a thermometer to take a single reading of the water in a beaker. What is Blayne measuring?
- (A) conduction rate
  - (B) amount of heat energy of the water
  - (C) amount of energy transferred from the beaker to the water
  - (D) amount of energy transferred from the water to the beaker
- 2 On a warm sunny day, a lizard sits on a rock. Which word explains why the lizard feels heat from the sun?
- (A) convection
  - (B) friction
  - (C) gravity
  - (D) radiation
- 3 Jessie knows that conduction is a form of heat energy transfer. Which transfer of heat energy is made through conduction?
- (A) hand heats a snowball
  - (B) radiator warms a home
  - (C) boiling water heats pasta
  - (D) sun warms a greenhouse

- 4 Each picture shows a source of heat. Which picture shows heat transfer through convection?



- 5 This table shows some sources of heat.

1	rays of the sun
2	electric space heater
3	oven with a fan
4	hot plate

Which source(s) will transfer heat through convection?

- (A) 1 only
- (B) 1 and 2 only
- (C) 2 and 3 only
- (D) 3 and 4 only