

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

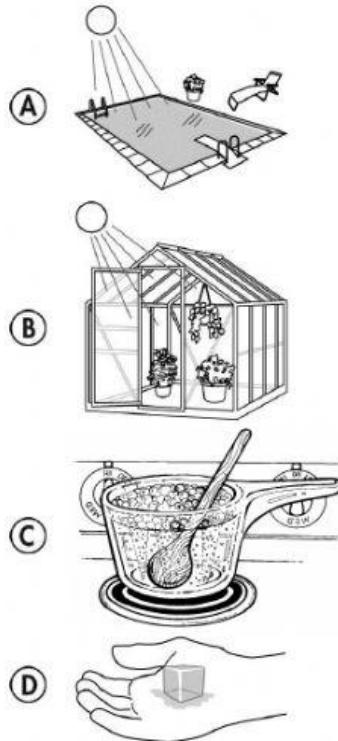
2 On a warm sunny day, a lizard sits on a rock. Which word explains why the lizard feels heat from the sun?

- (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