

## SCIENCE 9

Identify the method of heat transfer that takes place in each situation. Choose conduction, convection, or radiation.

1. After ironing your clothes, it feels hot due to \_\_\_\_\_.
2. Elbow macaroni shells rise and fall in boiling water due to \_\_\_\_\_.
3. A spoon starts to feel warm after stirring a bowl of hot soup because of \_\_\_\_\_.
4. A huge rock at the park gets hot during the day, that you can't sit on it, due to \_\_\_\_\_.
5. As a lava lamp heats up, blobs of liquid rise to the top then sink back to the bottom. This process continues because of \_\_\_\_\_.
6. A chair is placed several feet from a fireplace with glass screen. The side of the chair facing the fire gets warm because of \_\_\_\_\_.
7. A heater is placed under one corner of a waterbed mattress. The warm water moves throughout the mattress because of \_\_\_\_\_.
8. Water near the surface of a swimming pool is slightly warmer than the water at the bottom. The warm water rises because of \_\_\_\_\_.
9. You moved from the top bunk of a bunk bed to the bottom and noticed that the air is colder. The cold air stays at the bottom because of \_\_\_\_\_.
10. In a science class, a student wants to check if a hot plate was used recently. He placed his hand over the hot plate and felt warm even without touching the plate. Heat is transferred to his hand by \_\_\_\_\_.