

Name _____

Cool Science: The Magic of Air Conditioning and Refrigeration

Multiple Choice Questions

1. How does air conditioning make the air feel cooler?
 - a) By creating more humidity
 - b) By removing heat from the air
 - c) By blowing colder air from the Arctic
 - d) By increasing the room's temperature

2. What is the key component in the refrigeration cycle that absorbs and releases heat?
 - a) Refrigerant
 - b) Water
 - c) Ice cubes
 - d) Sunlight

3. How does a refrigerator keep food fresh?
 - a) By using magic spells
 - b) By slowing down the growth of bacteria with cold temperatures
 - c) By making food invisible
 - d) By turning food into ice

4. What is the role of a thermostat in a fridge?
 - a) It tells jokes to the food
 - b) It controls the temperature and keeps it at the desired level
 - c) It makes the fridge dance
 - d) It turns the lights on and off

5. What is the common cooling process used to make ice cream solid and delicious?
 - a) Blowing hot air onto it
 - b) Turning it into a liquid
 - c) Using a freezing process, similar to refrigeration
 - d) Baking it in an oven

