

Name \_\_\_\_\_

## How do Refrigeration Systems Work to Remove Heat from a Space?

### Multiple Choice Questions

1. Which component of a refrigeration system is responsible for compressing the refrigerant into a high-pressure gas?
  - a) Condenser
  - b) Evaporator
  - c) Compressor
  - d) Expansion valve
  
2. Where does the heat absorbed from the interior space get released in a refrigeration system?
  - a) In the compressor
  - b) In the expansion valve
  - c) In the evaporator
  - d) In the condenser
  
3. What is the purpose of the expansion valve in a refrigeration system?
  - a) To absorb heat
  - b) To release heat
  - c) To reduce the pressure of the refrigerant
  - d) To increase the pressure of the refrigerant
  
4. Where are the condenser coils typically located in a refrigerator or air conditioner?
  - a) Inside the unit
  - b) Outside the unit
  - c) In the compressor
  - d) In the evaporator
  
5. What is the main environmental concern associated with older refrigerants like CFCs and HCFCs?
  - a) They are too expensive to produce
  - b) They harm the ozone layer and contribute to global warming
  - c) They are not effective at cooling
  - d) They are difficult to recycle

