

Name _____

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

Short Answer Key

1. The four essential components of a refrigeration system are the compressor, condenser, evaporator, and expansion valve.
2. The compressor pumps and compresses the refrigerant into a high-pressure, high-temperature gas. The condenser releases heat from the refrigerant to the surrounding air.
3. The evaporator coil absorbs heat from the interior space because it is in contact with the warm air inside.
4. The high-pressure, high-temperature gas is created in the compressor.
5. Common places where refrigeration systems are used include refrigerators, air conditioners, grocery stores, and industrial processes.

