

HOW STUFF WORKS – FREEZERS

Q1. What can turn food bad if it is not kept in a freezer?

Q2. How does a freezer stop food from going bad?

Q3. What expands, turns into a gas and gets very cold when released by a valve?

Q4. Match the words with their meanings. One has been done for you.

Coolant	A powered pump which squeezes the coolant, turning it back into a liquid
Compressor	Bacteria which turn food bad
Microbes	It moves heat from the freezer box to the outside
Radiator	A metal grille which helps get rid of the heat of the compressed gas

Q5. Tick the boxes to show which statements are true and which are false.

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|--|-------------------------------|--------------------------------|
| A freezer keeps food between 18 °C and 23 °C | True <input type="checkbox"/> | False <input type="checkbox"/> |
| Coolant moves heat from the freezer box to the outside | True <input type="checkbox"/> | False <input type="checkbox"/> |
| A freezer’s hum is caused by its pump | True <input type="checkbox"/> | False <input type="checkbox"/> |
| Squeezing a gas makes it cooler | True <input type="checkbox"/> | False <input type="checkbox"/> |