

YEAR 4 SCIENCE: CHANGING STATES OF WATER

Interactive Worksheet — Everyday Scenarios

Name: _____

Class: _____

Date: _____

Score: _____ / 20

INSTRUCTIONS:

Read each scenario below carefully. Complete the table by writing:

1. The correct **Process Name** in Column 2.
2. Whether the water experiences **Heat Gain** or **Heat Loss** in Column 3.

Word Bank: Melting | Freezing | Boiling | Condensation •• Heat Gain | Heat Loss

EVERYDAY SCENARIO / STATEMENT	PROCESS	HEAT CHANGE
1. Soup bubbles vigorously on a hot stove as liquid water turns into steam.	_____	_____
2. Water drops form under a pot lid while cooking as warm steam hits the cooler lid surface.	_____	_____
3. Ice cream starts dripping on a hot day after absorbing warm air from around it.	_____	_____
4. Liquid tap water placed in a freezer tray turns into hard, solid ice cubes.	_____	_____
5. Water droplets appear on the outside of a cold soda can on a warm afternoon.	_____	_____
6. Solid butter turns into a yellow liquid pool when placed onto a warm frying pan.	_____	_____
7. Fruit juice poured into a mould turns into a solid ice popsicle in the freezer.	_____	_____
8. Water inside a kettle rapidly turns into invisible vapour and steam when heated.	_____	_____
9. A glass bathroom mirror fogs up with tiny water drops after taking a hot shower.	_____	_____
10. Ice cubes added to a cup of warm water shrink and turn into liquid water.	_____	_____

Steps to Success Check:

- I can identify when water changes state (Melting, Freezing, Boiling, Condensation).
- I know that heating causes **Heat Gain** (warmer) and cooling causes **Heat Loss** (cooler).