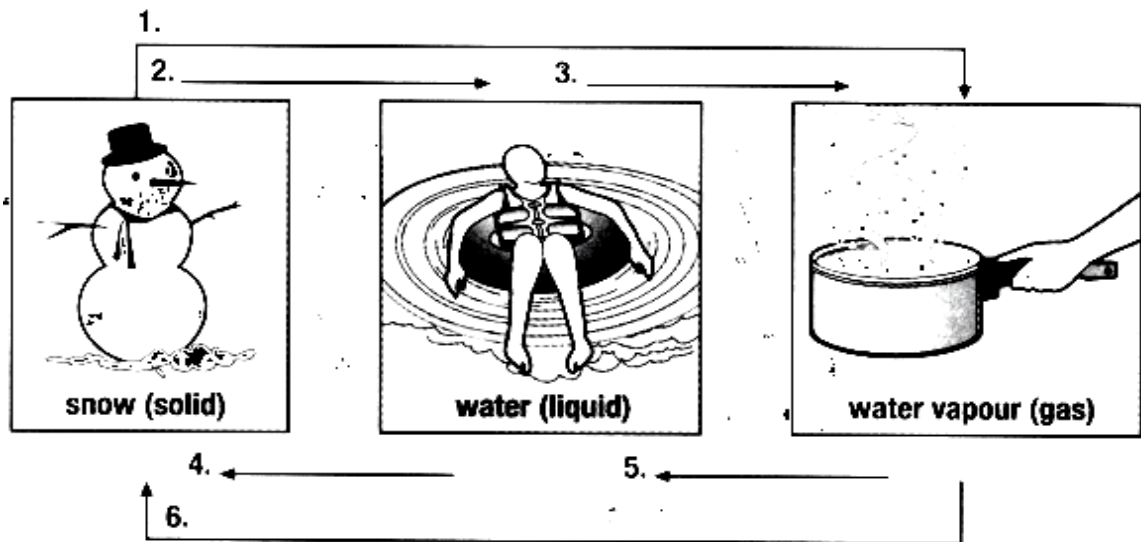


Grade 8 Science **CHANGES OF STATE WORKSHEET**

NAME: _____ Class: _____ Date: _____

Vocabulary	
Condensation	Melting
Deposition	Solidification
Evaporation	Sublimation

Use the terms in the vocabulary box to label the diagram. Place the terms on the numbered arrows.



7) Complete the following table by describing the change of state. The table has been partially completed to help you.

	Change of state	Heat added or released
Condensation		Released
Deposition		
Evaporation	Liquid → Gas	
Melting		Added
Solidification		
Sublimation		

- 8) Match each **Description** on the left with the correct change of state on the right. You may use some changes of state more than once.

Term		Descriptor	
	Ice is left out on the counter	A.	Sublimation
	Frost forms on the window on a cold day	B.	Condensation
	Water is left in a freezer	C.	Evaporation
	Clothes are left out to dry	D.	Deposition
	Dry ice is used to create fog	E.	Melting
	The bathroom mirror gets fogged up after a shower	F.	Solidification
	A pond gets shallower at the end of a long hot summer		
	Your hair was wet when you left the house, but dries by the time you get to school		
	The ice cream you are eating drips down your arm		
	A full pot of soup fills only half of the pot after summering for 2 h		
	Liquid glass cools and hardens		
	A cold drink is wet on the outside of the glass		

- 9) What is the difference between heat and temperature?

- 10) How does matter change from one state to another?

- 11) What is the relationship between the amount of space between particles and the state of the matter?

- 12) How is melting similar to solidification? How is it different?
