

Name: \_\_\_\_\_

Date: \_\_\_\_\_

### **Bill Nye – Phases of Matter**

Answer these questions DURING the video.

1. The universe is made of \_\_\_\_\_. It comes 3 ways:  
\_\_\_\_\_, \_\_\_\_\_, or a \_\_\_\_\_.
2. Getting things to change phase, we need to add \_\_\_\_\_.
3. Changing a solid to a liquid to a gas requires \_\_\_\_\_.
4. What are the three phases of water?  
\_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_.
5. 78% of our air is \_\_\_\_\_.
6. How does Maggie Stead make “fizz” in the Coca-Cola cans?

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Answer these questions AFTER the video.

7. How would you change liquid water into ice? Be sure to explain what is happening to the ENERGY (the heat)!
8. How does heating ice change it from a solid (ice) to a liquid (water) to a gas (water vapour).

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# Chemistry: States of Matter Word Search

R	T	Y	S	D	N	N	E	G	O	R	T	I	N	D	I	U	Q	I	L	A	E	W	B	L
H	M	J	Y	L	K	M	N	Q	W	A	C	D	S	W	E	C	H	E	M	I	S	T	S	I
G	R	E	L	I	A	M	S	A	L	P	X	Z	O	E	Y	T	H	I	B	T	B	O	O	Q
S	U	N	L	R	O	G	U	U	B	I	W	A	C	K	E	S	Y	O	O	M	A	X	L	U
S	R	U	N	T	G	E	N	R	O	Y	T	I	P	R	O	Y	O	N	I	R	F	E	I	I
U	W	E	A	A	H	A	L	F	H	E	A	R	T	G	R	U	I	O	L	I	B	N	D	A
E	F	R	A	G	T	M	U	S	S	R	Y	D	R	J	H	G	D	N	X	M	N	S	I	G
L	A	D	A	B	S	O	L	U	T	E	Z	E	R	O	N	O	W	E	G	O	L	A	H	R
C	B	C	H	U	N	G	M	U	N	E	T	N	E	N	B	F	D	O	R	V	J	L	A	O
U	Q	W	A	T	E	R	S	S	D	E	G	S	O	L	R	L	E	V	O	L	U	M	E	B
N	W	B	I	O	L	O	G	Z	F	R	T	I	E	S	O	K	G	M	R	E	W	J	K	T
E	E	I	Y	C	E	D	C	E	N	D	E	T	S	C	W	D	S	U	M	K	D	L	I	A
G	S	R	T	D	R	Y	I	C	E	D	T	Y	A	S	E	U	I	Y	C	E	N	E	U	C
J	N	G	K	N	U	K	L	E	A	S	I	T	E	A	I	L	I	Q	U	I	H	Q	D	T
B	E	V	R	E	G	A	Z	K	E	L	I	V	N	S	M	A	S	M	A	N	P	U	D	E
X	D	M	E	B	L	T	A	Q	U	O	C	P	L	E	E	C	H	E	E	S	I	I	F	R
T	N	F	G	A	B	V	V	S	N	P	U	E	N	U	C	L	E	R	W	O	R	D	D	I
Y	O	I	A	T	O	Y	I	S	G	E	C	I	D	E	N	I	H	T	R	I	C	K	Y	U
O	C	V	S	U	Y	C	E	N	J	N	U	O	S	U	B	A	C	E	L	C	I	D	E	M
E	Z	E	Q	M	L	E	Y	N	L	I	Q	U	I	G	F	N	I	T	R	O	G	Y	L	T

**ABSOLUTE ZERO**

**DRY ICE**

**LIQUID NITROGEN**

**ATOMS**

**FAHRENHEIT**

**MELT**

**BOIL**

**FIXED LOCATIONS**

**NUCLEUS**

**CELSIUS**

**GAS**

**PLASMA**

**CONDENSE**

**ICE**

**SOLID**

**DENSITY**

**KELVIN**

**SUBLIMATION**

**LIQUID**

**VOLUME**