Last Name: First Name: Period:

Link: https://tinyurl.com/yys7yhe4

## **Answer Bank**

## Each "dot" completes the "blanks" of each sentence

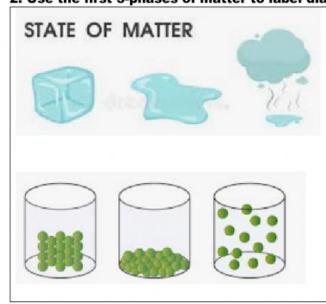
- Energy
- Energy
- solid ----liquid----gas-----excited
- -196°C --- 78%
- closer together
- (no) ABSOLUTELY NOT EVER!
- ice----water----water vapor
- take energy
- Weight it!

- · move faster----further and further
- Absolute Zero
- slowly----faster-----fast
- container ---- container---- holds
- Matter
- · Solid ---- Liquid ---- Gas
- The freezer removes the energy from the things and releases it into the air around it. It pups heat out into the room! (the room gets hotter)

Note: All questions were taken from the video, word by word, as "The Science Guy" was talking---Use the "answer bank" to complete each "short video dialogue"

1. The Universe is made of \_\_\_\_\_

2. Use the first 3-phases of matter to label diagram of question 2



(Important note: At this point Scientist recognize at least 17 phases of matter	
3. Molten steel, melted steel, liquid steel, and solid steel are different because of "the"	
4. Getting things to change "phase" takes	
5. If you want to turn a liquid into a solid state you have to takeawa	y.
6. Where does the energy go from the things you put into a freezer? (Explain in term energy transfer) (watch the video)	s of
(In other words, why do things get cold or colder when you put them into the freeze	r?)
7. What do you get when you "heat" ice? A turns into a the liquid turns into a Those are some prettymolecules?	,
8. How cold is liquid Nitrogen? What percent of our air is Nitrogen?	
9. The heat from the air makes molecules, they go, they go, apart and change from a liquid to a gas.	et
10. Liquid Nitrogen makes the molecules slow down; the molecules get	
11. Now you know "the three main phases of matter. Solid like this, an liquid like this, and gas like this	d
12. Suppose there was no motion at all; the molecules are absolutely stopped. This what Scientist call That would be colder than anything could ever imagine!	

13. Can you get "Absolute Zero"? ( The electrons are still moving are		
14. Solid, liquid and gas; the three r	main phases of matter. Solids, mo	olecules are moving
, packed close toge	ther. Liquid, molecules are movin	g a little
, they are able to t	flow a little bit. Gas, molecules a	re moving very
, they are just wi	ld!	
The main three phases of matter!		
15. How can you prove that " <mark>invisib</mark>	ole" gas is matter?	_
16. When matter is in the " <i>gas phas</i>		
matter is in the " <i>liquid phase</i> ", it ta	- PA- Waller	When matter
is in the " <i>solid phase</i> " it	its shape.	