

1 - 6: 2 points each

1. Where are the molecules moving FASTER?

An igloo



The desert



2. Where are the molecules moving SLOWER?

Where elephants live:



Where penguins live:



3. Where it is the *average molecular kinetic energy* HIGHER?

Pancakes



Ice cream



4. Where is the *average molecular kinetic energy* HIGHER?

Minneapolis



Miami



5. Where is the *average molecular kinetic energy* LOWER?

Fire breathing dragons



A huge wall of ice



6. Where is the *average molecular kinetic energy* LOWER?

Snowed in car



Car on fire



- 7.** True or false? You are made of molecules. [1 point]
- 8.** True or false? The molecules you are made of are moving. [1 point]
- 9.** What word means “average molecular kinetic energy?” [1 point]
- 10.** What is it called when the temperature is so low that molecules stop moving? [1 point]
- 11.** The table you are writing on is made of molecules that are vibrating. Somebody puts a space heater under the table. What happens to the molecules in the table? [1 point]
- 12.** Somebody instead puts a big pile of ice on top of the table. What happens to the molecules in the table? [1 point]
- 13.** [1 point]
Circle the situation where the molecules have a *greater average kinetic energy*.
Air in a room that is 68°F. or Air outside that is 50°F.
- 14.** [1 point]
Circle the situation where the molecules have a *greater average kinetic energy*.
A piece of chicken that just came out of the refrigerator
or
A piece of chicken that just came out of the oven.