**How Small is Small?**

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| --- | --- | --- | --- |
| 1. Unwrap your candy. Draw a picture of your whole candy | 2. Bite your candy in half. You may eat ONE of the halves. Draw a picture of the remaining half. | 3. Bite your remaining candy in half. You may eat ONE of the halves. Draw a picture of the remaining half. | 4. Bite the remaining candy in half. You may eat ONE of the halves. Draw a picture of the remaining half. |

Answer the following question IN A COMPLETE SENTENCE!

1. Can you divide the candy in half forever? Explain.

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* *Element*= a pure substance that cannot be broken down into other substances by chemical or physical means. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. **These are the simplest substances. (O, H, He, N)**
* *Molecules*= Molecules are groups of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ held together by a chemical bond. Two atoms of the same element can also combine to form a molecule. Examples \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**(All compounds are \_\_\_\_\_\_\_\_\_\_\_ but not all \_\_\_\_\_\_\_\_\_\_\_are compounds.)**

* *Compound*= a pure substance made of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ chemically combined. Made of more than one type of atom. (H20, C6H12O6 Sugar)
* *Mixture*=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. (sand or pebbles)
* *Atom*=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* *Element*= a pure substance that cannot be broken down into other substances by chemical or physical means. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. **These are the simplest substances. (O, H, He, N)**
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