

Name _____ Section _____ Date _____

LT: I can explain why elements are so important to life on Earth

Do Now: Match the element in the word bank with its use.

The importance of the elements

Carbon Oxygen	Copper Potassium	Titanium Sulfur	Krypton Helium
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1. _____ This metallic element is incredibly useful in wiring & coins.
2. _____ Bananas are full of this element
3. _____ Despite being the second most abundant element in the universe, scientists estimate that we only have between 10-80 years' supply left on Earth. Bad news for birthday parties.
4. _____ People believe this element is Superman's weakness, but really, this element is just really amazing as transmitting heat energy. It's used in lamps.
5. _____ A very common element, it makes up about 18% of the elements in the human body. It also is found in pencils and many other objects. If underground at high pressure for a billion years, it will become a diamond.
6. _____ This element is found in volcano emissions. It often smells like rotten eggs, and it's the element that gives garlic and onions their odors.
7. _____ Light weight and high strength, the metallic element is used to make golf clubs and scuba diving knives. The singer Sia is such a huge fan of the element that she wrote a song about it's bulletproof qualities, inviting people to "fire away, fire away."
8. _____ We breathe it.

Part 1: Radiolab Podcast

Radiolab is the best podcast ever. They made an episode called, "Elements", and we are going to listen to a 20 minute segment of it today. As you listen, you should identify 10-15 key words. You can write those below in any form you want (a list, a word map, etc.)

Part 2: Putting it together

Use ten words from part 1 to write a summary of what the podcast was about. (Hint: don't try to squeeze in the 10 words as quickly as possible. You want to demonstrate that you really understand what the podcast was about.)

Part 3: Thinking Bigger

1. Do you like podcasts as part of our classroom activities? Explain your answer (1-2 sentences)

2. What did you think about this particular podcast? Did you find anything interesting? Did it make you think of any questions? How do you feel about the element itself? (3-4 sentences)

3. What does learning about the elements have to do with history? (2-3 sentences)