

You **MUST** copy the question if given on the board and answer it using complete sentences.



Reading Minute Monday
"Reading for Details" Reading Strategy

Biography of _____

1. Number each section of the biography.
2. Next, highlight one important fact or interesting tidbit you found in **EACH** of the sections!
3. Early Life: _____

4. Famous for: _____

5. Fun fact: _____

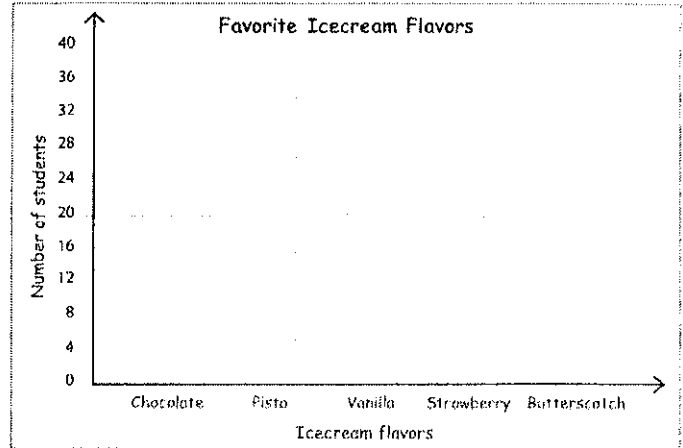
6. Fun fact: _____

STAPLE ARTICLE TO YOUR STARTER



"Chart"ering New Territory Tuesday
(Charts and Graphs)

Mrs. Barbara, a third grade teacher wanted to know if the flavor of ice cream affected the students choice.



1. Make a bar graph using the following information:
 Chocolate 37 Pista 18 Vanilla 13
 Strawberry 34 Butterscotch 23
2. What was the third most favorite flavor?
3. How many more students chose Pista over Vanilla?
4. What is the independent variable? (cause)
5. What is the dependent variable? (effect)
6. How many students participated in the survey?



Teacher's Choice Thursday
 Using the visual on page 80 and 81 to complete the questions below.

1. What is the smallest portion of the spectrum?
2. Where do X-rays fall on the spectrum?
3. What kind of wave is used in cell phones?
4. Compare the wavelength of radio waves and gamma rays.



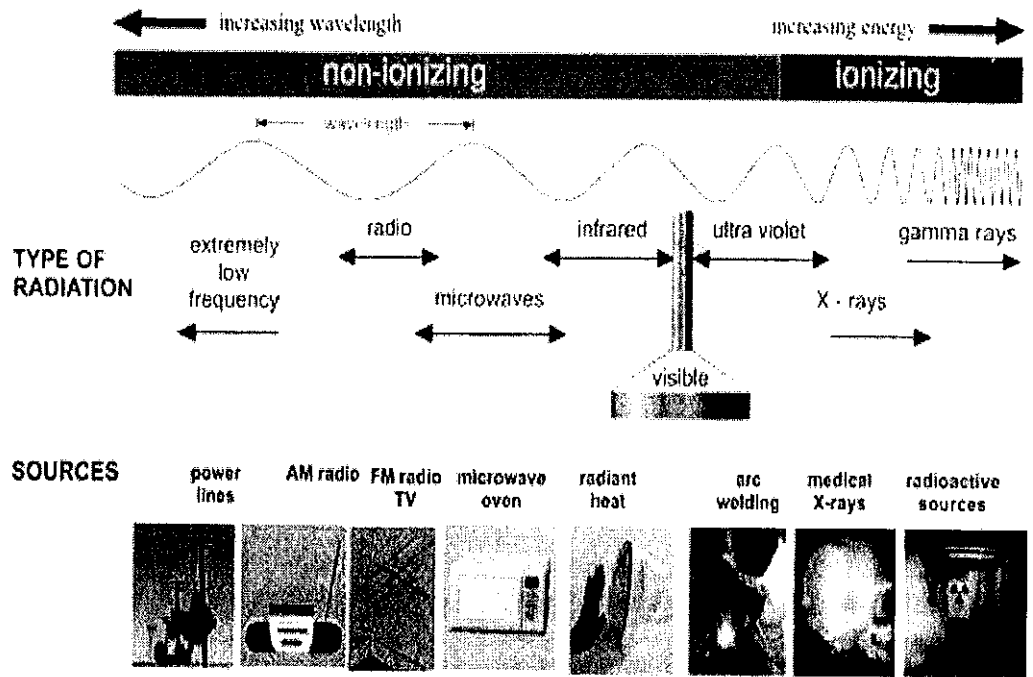
Flocabulary Friday

1. Create 3 notecards for the following words:
 - Electromagnetic Wave
 - Radiation
 - Electromagnetic Spectrum
2. Notecards should include the following:
 - Word
 - Picture (colored)
 - Definition
 - Examples (at least 2)
 - Neatly done

WEDNESDAY WILD WRITING EXPLORATION!

	I have read over my response not that I have finished writing it.
	I restated the statement/question in my response
	I provided supporting details
	I used transition words
	I used proper punctuation and capital letters where needed
	My concluding sentence brings all of the ideas together
	I wrote so neat, others can read it
	My response makes sense and is accurate/relevant.

THE ELECTROMAGNETIC SPECTRUM

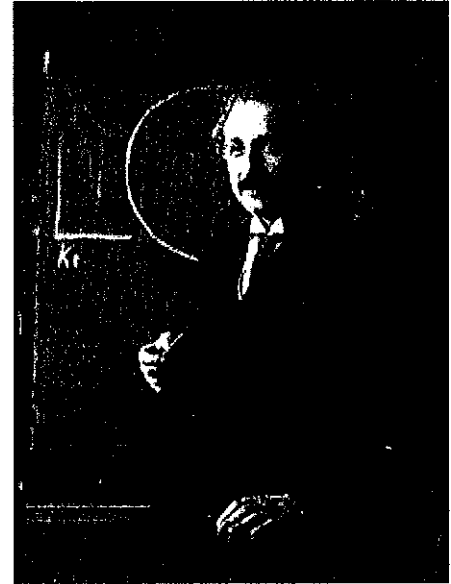


Directions: Answer the following question using the diagram and your book to help you respond. You should complete the rubric after your response is complete. Be sure to provide evidence for your thought process.

Question: Why do you think remote controls for TV's, DVD players, and stereos use infrared light rather than ultraviolet light?

Albert Einstein

- **Occupation:** Scientist and Inventor
- **Born:** March 14, 1879 Ulm, in Germany
- **Died:** 18 April 1955 in Princeton, New Jersey
- **Best known for:** Theory of Relativity and $E=mc^2$



Biography:

Albert Einstein was a scientist in the early 1900s. He came up with some of the most important discoveries and theories in all of science. Some people consider him to be one of the smartest people of the 20th century. His face and name are often used as the picture or description of the consummate scientist. Read here to learn more about Albert Einstein; what he was like and what discoveries and inventions he made.

Where did Einstein grow up?

Albert Einstein was born in Ulm, Germany on March 14, 1879. He spent most of his childhood in Munich, Germany. His father had an electronics company and Albert learned a lot about science and electronics from his dad. He really liked math and wanted to pursue math and science in school. He didn't finish school in Germany, but ended up his schooling in Switzerland. Einstein would later move back to Bern, Germany and work in the patent office.

Was Albert Einstein a US citizen?

Albert immigrated to the United States in 1933. He was fleeing from the Nazis in Germany who didn't like Jewish people. If he had stayed in Germany he would not have been able to hold a teaching position at the University as a Jewish person. At one point the Nazis had a bounty on his head. In 1940 Einstein became a US citizen.

$E=mc^2$ and Einstein's Theory of Relativity

Albert Einstein had many discoveries as a scientist, but is most known for his Theory of Relativity. This theory changed much in the way scientists look at the world and set the foundation for many modern inventions, including the nuclear bomb and nuclear energy. One equation from the theory is $E=mc^2$. In this formula, "c" is the speed of light and is a constant. It is assumed to be the fastest speed possible in the universe. This formula explains how energy (E) is related to mass (m). The Theory of Relativity explained a lot of how time and distance may change due to the "relative" or different speed of the object and the observer.

What other discoveries is Albert Einstein noted for?

Albert Einstein laid much of the foundation for modern physics. Some other of his discoveries include:

Photons - In 1905 Einstein came up with the concept that light is made up of particles called photons. Most scientists of his day didn't agree, but later experiments in 1919 showed this to be the case. This became an important discovery for many branches of science and he was awarded the Nobel Prize for Physics in 1921.

Bose-Einstein Condensate - Together with another scientist, Satyendra Bose, Einstein discovered another state of matter. Sort of like liquid or gas or solid states. Today this discovery is used in cool stuff like lasers and superconductors.

Einstein wrote many papers which included theories and models that would help define and move forward our understanding of the world and particularly quantum physics. Some of his work included subjects from a model for a wormhole to the Einstein refrigerator.

The Atomic Bomb

Albert Einstein did not work directly on inventing the Atomic bomb, but his name is closely associated with the bomb. This is because his scientific work and discoveries were key in the bomb's development, specifically his work on energy and mass and his famous equation: $E=mc^2$.

Fun Facts about Albert Einstein

- Albert experienced speech problems as a child. His parents were worried that he wasn't very smart!
- He failed his first try on his entrance exam for college (this gives u all hope!).
- He was offered the presidency of Israel.
- He auctioned off a hand written version of his Theory of Relativity in 1940 for 6 million dollars in order to help with the war effort.
- Albert had a sister named Maja.