

Warm-Up Activity:

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| What is an inventor? _____ |
| Name a famous inventor and his/her invention. _____ |
| What problem does this invention solve? _____ |

Directions: For the following statements, circle True or False. If the statement is False, underline the incorrect word(s) and correct the statement on the line provided.

For example: A baby dog is called a kitten. True/False puppy

1. Thomas Edison was NOT the first and only person to invent the lightbulb.

True / False _____

2. Edison lost his hearing when he was a child. He was deaf in one ear and partially deaf in the other.

True / False _____

3. Thomas Edison worked as a telegrapher during the Revolutionary War.

True / False _____

4. A telegrapher operates a telephone—a machine that sends messages long distances by wire.

True / False _____

5. Morse code is messaging received as a series of dots and dashes on a decoded strip of paper.

True / False _____



6. Thomas Edison's only invention was the incandescent lightbulb.

True / False (if False, name at least one other invention) _____

7. Thomas Edison had success creating the lightbulb on his first try.

True / False _____

8. **Making Connections:** Thomas Edison explains to Leo and Layla how he realized that something he needed didn't exist, so he set his sights on being the person who created what was missing in people's lives.

a. How did Thomas Edison improve society with his ideas? Give an example.

b. Think of a problem or need in the world and devise a solution/invention to solve this problem or need. Remember, an invention must be something that does not already exist.

Problem or Need:

Solution/Invention:

Thomas Edison | Answer Key

Warm-Up Activity:

What is an inventor? **A person who invents, or creates and designs, something that has not existed before.**

Name a famous inventor and their invention: **Answers will vary.**

What problem does this invention solve? **Answers will vary.**

Directions: For the following statements, circle True or False. If the statement is False, underline the incorrect word(s) and correct the statement on the line provided.

For example: A baby dog is called a kitten. **True/False** puppy

1. Thomas Edison was NOT the first and only person to invent the lightbulb.
True / False _____
2. Edison lost his hearing when he was a child. He was deaf in one ear and partially deaf in the other.
True / False _____
3. Thomas Edison worked as a telegrapher during the Revolutionary War.
True / False Civil War
4. A telegrapher operates a telephone—a machine that sends messages long distances by wire. **True / False** telegraph
5. Morse code is messaging received as a series of dots and dashes on a decoded strip of paper. **True / False** _____
6. Thomas Edison's only invention was the incandescent lightbulb.
True / False **(if False, name at least one other invention)** phonograph and quadruplex telegraph (and if students understand the video's hint - motion picture camera and alkaline battery)
7. Thomas Edison had success creating the lightbulb on his first try.
True / False Thomas Edison did not have success creating the lightbulb on his first try. It took many tries and different materials.

8. **Making Connections:** Thomas Edison explains to Leo and Layla how he realized that something he needed didn't exist, so he set his sights on being the person who created what was missing in people's lives.

a. How did Thomas Edison improve society with his ideas? Give an example.

Sample answer: Thomas Edison improved society with his ideas by identifying a problem or need and then working to invent something to solve this problem or need. For example, his invention of the incandescent lightbulb helped replace electric lights in homes rather than gaslights, which scientists had been looking to replace for about 50 years.

b. Think of a problem or need in the world and devise a solution/invention to solve this problem or need. Remember, an invention must be something that does not already exist.

Sample answer:

Problem or Need: It is a problem when people don't pick up after their dogs when they don't have a bag.

Solution/Invention: A solution would be a small vacuum that is attached to the leash to suck up and easily dispose of waste.