

## Investigation and Science Vocabulary Words Review

It's time to review some words from the last issue, as well as practice this issue's science vocabulary words. Try matching these words with their meanings:

- |                 |   |
|-----------------|---|
| 1. to convince  | A. to connect things together                                 |
| 2. to emphasize | B. of the mind  |
| 3. finally      | C. things that must be done (Ex: to receive a college degree) |
| 4. to link      | D. to show something that was hidden                          |
| 5. mental       | E. to need (or insist on)                                     |
| 6. to react     | F. at last  |
| 7. to require   | G. to give something extra importance                         |
| 8. requirements | H. to persuade  |
| 9. to reveal    | I. to respond to something                                    |

## Scientists Are Always Building on the Work of Others

"If I have seen further it is by standing on the shoulders of giants"- Isaac Newton (quoted by Albert Einstein.)

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Here are a few definitions (and questions to check your understanding) of some of the words used in tomorrow's thinking and classifying activity.

1. Technology is applying scientific knowledge in practical ways. So many inventions are technological, and many scientific discoveries are made possible by new technology-- each contributes to the other. Often a series of new inventions follows one new discovery, and sometimes a series of discoveries follows an invention that makes new kinds of research possible.

All of the following discoveries except one required (needed) a new technology. (That means those discoveries could not have been made in earlier ages.) Which of these discoveries was NOT dependent on technology?

- A. the discovery of micro-organisms
- B. the discovery that earth orbits the sun
- C. the discovery of gravity
- D. the discovery of antibiotics

2. Communication (from the same root as communicable) is the sharing of ideas or information. To communicate is to share or pass on thoughts, whether by speaking, writing, hand movements, expression, or tone of voice. So if you read "communication is important in marriage," it means

- A. Marriage can make you sick.
- B. Marriage is an important institution.
- C. It's important for husbands and wives to talk to each other.
- D. It's important for husbands and wives to share the same ideas and values.

3. To invent is to create or design something new. A vehicle is something used to move people or things from one place to another-- to transport them. So which of these vehicles are inventions? (More than one answer will be correct.)

- A. the first wheeled cart
- B. the first "horseless carriage" (automobile with a gasoline motor)
- C. the first Ford produced at a Michigan factory in 2012
- D. the first Toyota produced in the U.S.

4. A revolution is a very major change. The American, French, Mexican, and Russian Revolutions led to dramatic political and social changes in those nations. 'Revolution' also applies to changes in thinking that turn old ideas "upside down." So, the germ theory revolutionized medical treatments. Could you say the development of the wheel revolutionized transportation?

- A. Yes.
- B. No.

5. Computers were first developed for data storage and fast data calculations. (You might guess that, since 'to compute' is to make calculations with numbers.) It wasn't very long before the scientists who used those early computers started contacting each other to share data. That sharing led to the Internet, with its huge potential for worldwide communication and exchange of information and ideas.

Which of these uses for computers is NOT mentioned above?

- A. communication
- B. data storage
- C. sharing music
- D. the exchange of ideas

### Answers

1H to convince-- to persuade

2G to emphasize-- to give something extra importance

3F finally-- at last

4 A to link-- to connect things together

5B mental-- of the mind

6I to react-- to respond to something

7E to require-- to need (or insist on)

8C requirements-- things that must be done (Ex: to receive a college degree)

9D to reveal-- to show something that was hidden

1C

2C

3 A & B (C and D are just different models or versions, not new inventions.)

4A Yes (definitely! It made many things possible.)

5. C