

## 1.1 Understanding Science

### Worksheet

#### Objectives:

1. Recall the branches of Science
2. Recall the steps of Scientific method
3. Differentiate between Scientific theory and law
4. Define bias and sampling

#### Fill in the blanks

1. Science is the study of the natural world through \_\_\_\_\_ and \_\_\_\_\_.
2. \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_ are the three branches of Science.
3. Earth Science is the study of \_\_\_\_\_.
4. In physical science, we study about energy and \_\_\_\_\_.
5. The first step of scientific method is \_\_\_\_\_.
6. The results of Scientific method are \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.
7. The practical use of scientific knowledge, especially for industrial or commercial use is called \_\_\_\_\_.
8. A \_\_\_\_\_ describes a pattern or an event in nature that is always true.
9. \_\_\_\_\_ is an explanation of observations or events based on knowledge gained from many observations and investigations.
10. \_\_\_\_\_ is comparing what you already know with the information you are given in order to decide whether you agree with it.
11. A \_\_\_\_\_ is when you prefer one answer over the other.
12. There are two ways to reduce bias. They are \_\_\_\_\_ and \_\_\_\_\_.
13. The process of experimenting on a small group rather than a large group is called \_\_\_\_\_.
14. In the corona vaccine testing, you test only a group of people and not everyone in the country. This is called \_\_\_\_\_.