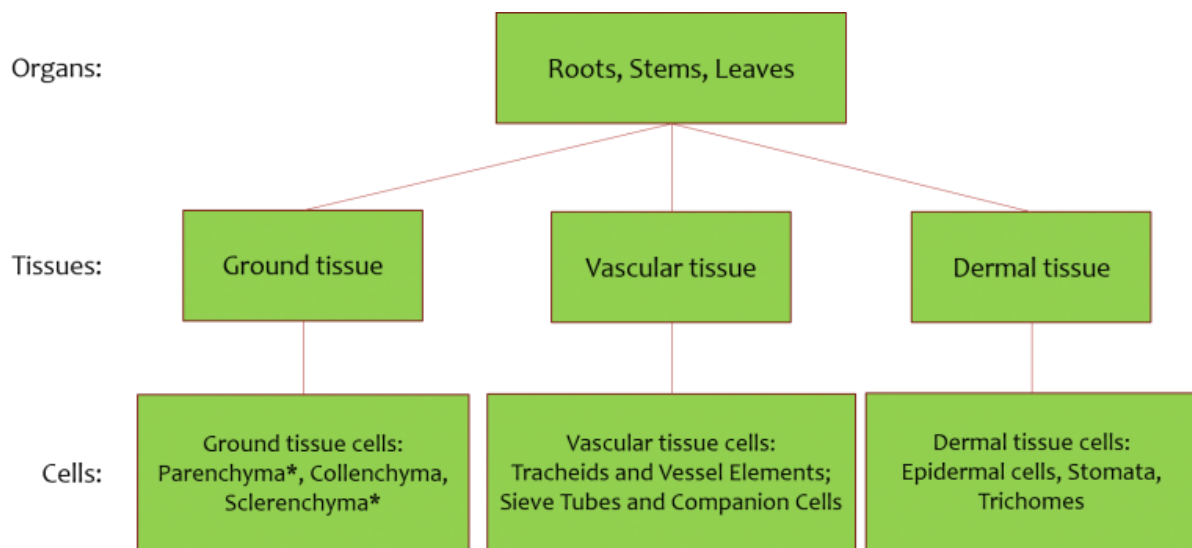


## ***How to use (Consist, contain or include)***

**Contain** and **include** both mean to have something inside or **include** something as a part. **Consist** of means to be made of or formed from something.

For example: The periodic table consists of rows and columns It contains elements. Different elements include carbon, sulphur, hydrogen, oxygen etc.



Each organ (roots, stems, and leaves) include all three tissue types (ground, vascular, and dermal). Different cell types consist of each tissue type.

### **Exercise 1**

1. The classic symptoms of exposure to toxic chemicals \_\_\_\_\_ headaches, sore throats, vomiting, etc.
2. The world's trees \_\_\_\_\_ between 460-800 billion tons of carbon.
3. The local fauna \_\_\_\_\_ wolves, snakes and a wide range of unpleasant insects.
4. The graphs do not \_\_\_\_\_ information about the use of the cell.

## *Some Types of Inorganic Chemical Reactions (meaning)*

### **Exercise 2**

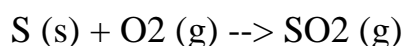
Read the following article. What is the meaning of the words in bold?

Elements and compounds **react with** each other in numerous ways. Almost every inorganic chemical reaction falls into one or more of four broad **categories**.

#### *I. Combination Reactions*

Two or more **reactants form** one **product** in a combination reaction. An example of a

combination reaction is the **formation** of **sulfur dioxide** when sulfur is **burned** in air:



#### *II. Decomposition Reactions*

In a decomposition reaction, a compound **breaks down** into two or more **substances**.

Decomposition usually results from **electrolysis** or **heating**. An example of a decomposition

reaction is the breakdown of **mercury (II) oxide** into its component elements.

#### *III. Single Displacement Reactions*

Single displacement reactions are often subdivided into more specific categories, e.g., **redox reactions** -**chemical reactions** which involve **oxidation** and **reduction**.

#### *IV. Double Displacement Reactions*

In this type of reaction, elements from two compounds displace each other to form new compounds. An example of a double **displacement reaction** occurs

when **solutions** of calcium chloride and silver nitrate react to form **insoluble silver chloride** in a solution of **calcium nitrate**.

### **Exercise 3**

What is the meaning of the following expressions?

oxide    nitrate    iodide    chloride    hydroxide    fluoride    sulfate/sulphate  
acid    bromide