**INTEGRATED SCIENCE.**

1. **The broad area of study that involves study of various branches of science collectively**
2. **Biology, Physics and Chemistry**
3. **Science Technology, Engineering and Mathematics. Arts and Sports Science. Social sciences.**
4. **Pure sciences, Applied sciences, Technical and Engineering, careers and technology studies.**
5. **- It leads to different careers hence poverty eradication.**

**- Knowledge and skill acquired in the learning helps in solving problems of**

**environmental pollution.**

**-Its helps us solve basic problems such as water purification.**

* + - **It helps us understand how our body system works**
  + **It enables us to explain nature.eg lightening and its precaution measures.**

1. **A special room where scientific investigations are carried out**
2. **Personal safety**
3. **Open flames, broken glass, flammable chemicals, chemicals emitting dangerous radiations, open electric sockets, naked electrical cables, corrosive chemicals, hot substances**
4. **Radioactive**
5. **Manipulation ,measurement, prediction, classification, conclusion and observation**
6. **It turns it blue.**
7. **It turns it red.**

|  |  |  |
| --- | --- | --- |
| **13. Basic quantity** | **SI unit** | **Abbreviation** |
| **Temperature** | **Kelvin** | **K** |
| **Length.** | **Metre** | **M** |
| **Mass** | **gram** | **G** |
| **Time** | **Seconds** | **S** |
| **Electric current** | **Ampere** | **A** |

1. **Derived quantities.**
2. **Area, Volume, Density**
3. **Ethanol and propanone.**
4. **Lemon juice, sour milk, acidic tablets**
5. **Chimney- Allows the burning of the gas Base - Makes the burner stable.**

**Rubber tubing - Allows laboratory gas into the chimney. Jet - Allows air to enter the burner**

1. **Menstrual cycle.**
2. **Hormones**
3. **A well drawn and labelled diagram showing scrotum, testis, epididymis, sperm duct, glands, urethra and penis.**
4. **Colds, the flu, Covid 19, chicken pox.**
5. **Thermochemical, Electrolytic**
6. **Is the change in the DNA sequence of an organism**
7. **A virus makes physical contact with and crosses the plasma membrane of a target cell inside ,it releases and replicants its genome while facilitating the manufacture if its protein by host ribosomes.**
8. **- Keep it in a clean container and cover it with a foil or lid.**
   * **By storing in a fridge or in a cold room.**
   * **Keep it in a dry place and leave some small holes to allow air to enter to avoid rotting.**
9. **Are diseases that can not be transmitted from one person to another.**
10. **Colon, mouth, small intestine, ileum.**
11. **It prevents constipation.**
12. **Regulates body temperature. Helps in digestion.**
13. **Avoid drug and substance use. Doing regular exercise.**
14. **- Are nutrients that are needed in the body in large amount.**
    * **Are nutrients that are needed in the body in small amount.**
15. **Eight glasses.**
16. **- To acquire knowledge skills that help us to solve healthy problem.**
    * **Help us in choosing a career.**
    * **Helps us to be aware of common illness and how to prevent them.**
17. **Carrot, Mango**
18. **Physical factor, Social factor Socialogical factor .**
19. **Brushing teeth daily, Wearing clean inner clothes, Birthing daily.**