

Biology

1. How would you test a food for the presence of glucose.
2. Name one difference between physical and chemical digestion.
3. Name the 3 excretory organs and what they excrete.
4. What is the function of the liver.
5. Name the 3 functions of the skeleton and explain each function.
6. What is an enzyme.
7. Name the 4 parts of the blood and state their functions.
8. Name 2 differences between arteries and veins.
9. What is normal human body temperature. What is the resting pulse rate of a human.
10. Name 3 ways in which heart disease can be prevented.

Chemistry

1. State the mass, charge and location of each sub-atomic particle.
2. What is the difference between the atomic number and the mass number of an element.
3. What is a group on the periodic table of elements.
4. Give 2 differences between an ionic and a covalent compound.
5. What is an (i) acid and (ii) base.
6. What is an indicator, name 2 indicators used with acids and bases and the difference between the 2 indicators.
7. Write the word and chemical equation for the neutralisation reaction between a named acid and a named base.
8. In a neutralisation reaction between an acid and a base, which one is collected using a pipette and placed in a conical flask. In what type of apparatus is the other placed in.
9. What is the test for (i) carbon dioxide (ii) water (iii) oxygen
10. What chemicals are used in the preparation of (i) oxygen (ii) carbon dioxide

Physics

1. Name 2 differences between mass and weight.
2. What is the law of the lever.
3. What is pressure. What is it measured in.
4. What kind of weather would (i) high atmospheric pressure give (ii) low atmospheric pressure give.
5. What instrument is used to measure atmospheric pressure.
6. The smaller the area, the _____ the pressure.
7. What is the difference between heat and temperature.
8. What is the difference between reflection and refraction.
9. What special piece of apparatus would you use to find the volume of an irregularly shaped object.
10. What is the difference between potential and kinetic energy.

