1. Wires are normally made from copper. Why?
   Copper is a very good conductor of electricity.

2. In plants, which organ is used in photosynthesis?
   Leaf.

3. What colour is universal indicator in a neutral solution?
   Green.

4. Antagonistic action of two muscles means what?
   As one muscle contracts the other relaxes.

5. The elements in group 7 of the periodic table are known as what?
   Non-metals.

6. Fibre is needed for what?
   Preventing constipation.

7. Some acid is put onto strips of metal. What would you see if the metals react?
   Some bubbles of gas.

8. The small intestine in an adult is approximately how many metres long?
   6-7 metres long.

9. What is used to measure the flow of current in a circuit?
   Ammeter.

10. A pure substance has a melting point which is the same as what?
    Its freezing point.

11. In the periodic table, the elements are arranged in order of increasing what?
    Proton number.

12. Which type of energy is stored energy in a stretched rubber band?
    Elastic.

13. An athlete runs 1 kilometre in 100 seconds. Her speed in metres per second is what?
    10 metres per second.
14 What is weight measured in?  
   Newtons

15 When zinc carbonate reacts with dilute hydrochloric acid the three products are what?  
   Zinc chloride, carbon dioxide, water

16 Animals with a backbone are called what?  
   Vertebrates

17 Muscles are joined to the bones by what?  
   Tendons

18 Of these three - Aluminium: Water: Lead - which is the most dense substance?  
   Lead

19 What does lipase break down?  
   Fat

20 How would you separate a mixture of iron filings and sulphur?  
   Use a magnet

21 How many breaks does a complete circuit have?  
   None

22 In a ray diagram, a normal is a line drawn how many degrees to the mirror's surface?  
   90 degrees

23 How many enzymes does the pancreas make?  
   Three

24 At which range of temperatures do enzymes work best?  
   30-40°C

25 C is the correct chemical symbol for what?  
   Carbon

26 Is chloroplast present in an animal cell?  
   No
27 Which type of energy is given out by a luminous object?
   Light

28 Which one of the following four is NOT a mixture? - Coca Cola: Methane: Crude Oil: Milk
   Methane

29 What is listed in the Periodic Table?
   Elements

30 A car travels at 50mph for 2 hours. How far does it go?
   100 miles

31 What is pressure measured in?
   Pascals

32 What is a feature of a ciliated cell?
   Has hairs

33 The most abundant metal in the Earth's crust is what?
   Aluminium

34 In plants, which organ is used to absorb water?
   Root hair

35 What is the name for group 8 in the periodic table?
   Noble gases

36 In which cells does respiration occur?
   All cells

37 Which part of the cell passes on information to new cells?
   Nucleus

38 Why are wires usually coated in plastic?
   Plastic is an insulator
39 The method used to separate coloured dyes in ink is called what?
   Chromatography

40 What is the unit of energy?
   A joule

41 Which two organs can be damaged by drinking too much alcohol?
   Brain and liver

42 How long would it take to travel 300,000m at a speed of 60km per hour?
   5 hours

43 Which was the first planet known to have rings?
   Saturn

44 Ecstasy is an example of what type of drug?
   An hallucinogen

45 What is our solar system a part of?
   Milky Way

46 Of these four - Incisor: Feline: Canine: Molar - which is NOT a type of tooth?
   Feline

47 Which microbe can be killed by antibiotics?
   Bacteria

48 What is starch broken down into?
   Glucose

49 How does decreasing the length of a guitar string change its vibration?
   Increases frequency

50 Does a trout have a backbone?
   Yes
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