PRIMARY SCIENCE QUIZ

1. What is the boiling point of mercury?

Answer: 357 0C

2. How many hydrogen atoms are in one molecule of water? (one attempt)

Answer: 2

3. State the atomic number of sodium.

Answer: 11

4. What separation technique is used to separate pigments.

Answer: chromatography

5. What is the boiling point of ethanol?

Answer: 78 oC

6. Which metal is regarded as a noble metal?

Answer: Gold

7. Which metal is a liquid at standard temperature and pressure?

Answer: Mercury

8. In which physical state does alcohol exist at – 10oC? (One attempt only)

Answer: liquid

9. Which of the following is the most reactive metals? Copper, potassium, sodium and zinc.

(one attempt)Answer: potassium

10. What is the physical state of chlorine at r.t.p?

Answer: Gas

11. What is the boiling point of pure water?

Answer: 100 oC

12. The constant temperature at which solid changes into liquid is called …

Answer: melting point

13. Name the separation technique used to separate water from sand.

Answer: Filtration

14. Zinc reacts with steam to produce zinc oxide and gas X. What is the name of gas X?

Answer: Hydrogen gas.

15. The products formed when sodium metal reacts with water are hydrogen gas and …

Answer: sodium hydroxide

16. The chemical name for dry ice is …

Answer: carbon dioxide.

17. The substance that alters the rate of chemical reaction is called …

Answer: catalyst

18. The substance with faces naturally arranged in a regular pattern is called …

Answer: crystal.

19. Which of the following is an alloy? Sand, lead, brass and copper

Answer: brass

20. What is air?

Answer: It is a mixture of gases

21. A liquid in which a solute dissolves is called …

Answer: solvent

22. Give one example of solutes in alcohol rather than water.

Answer: paint/ any organic material

23. Name the gas used during respiration.

Answer: oxygen

24. Give an example of alkaline solution.

Answer: sodium hydroxide/ potassium hydroxide/ ammonium hydroxide

25. What is the percentage composition in air of nitrogen by volume? Answer: 78%

26. The other name of alkali is …

Answer: soluble base

27. Ammonia turns damp red litmus paper to … (one attempt)

Answer: Blue

28. Addition of oxygen to a substance is called ….

Answer: oxidation

29. What is the identity test for carbon dioxide?

Answer: Turns lime water milky/cloudy

30. Name the main gas which causes acid rain.

Answer: sulphur dioxide

31. A constant temperature at which a liquid changes to gas is called …

Answer: boiling point

32. Name one substance that sublimes when cooled.

Answer: carbon dioxide

33. Name two elements that make up water

Answer: oxygen and hydrogen

34. What name is given to substance that dissolves in a solvent.

Answer: solute

35. At what temperature does liquid oxygen change into a gas?

Answer: -183 oC

36. Name a common substance formed when fats and sodium hydroxide are mixed.

Answer: soap

37. Substances which contaminate the environment are called …..

Answer: Pollutants.