Year 8 exam revision sheet 2014

1. Jenny was investigating how different temperatures affected how quickly sugar dissolved in water. She used 3 different temperatures and the same amount of sugar for each trial.

What is Her independent variable

How would she measure her dependent variable

Why did she use the same amount of sugar for each trial?

2. What are the following used for in the body

carbohydrates

fats

proteins

3. Name the parts of the digestive system in order from mouth to anus

4. What happens in the stomach?

5. What is peristalsis?

6. What is the function of enzymes in the digestive system?

7. Name the enzymes which break down starch to sugar

8. Where is food absorbed? Describe the structure

9. Where does respiration occur

10. Write the word equation for respiration

11. What is the blood made up of?

12. How does the blood move around the body?

13. Which muscles are involved in inhalation and exhalation?

14. What is a pathogen

15. Name a disease caused by a virus, bacteria and fungi

16. How can diseases spread

17. Which microbe do antibiotics affect?

18. What is the immune response

19. How do vaccines work

20. How does the body prevent pathogens from entering the blood

21. Give an example of two metal elements

22. Give an example of 2 non mental elements

23. What is an element?

24. Give an example of a compound. Give the formula

25. Give the name of the following compounds

MgO MgSO4  ZnCO3  CuS

26. Draw a particle diagram to show a mixture of carbon dioxide and oxygen

27. Define the following

soluble, insoluble, solute , solvent , solution and solubility

28. How would you separate sand from salt

29. how would you separate water from alcohol. Water boils at 100 degrees c and alcohol at 78 degrees c

30. what separation technique depends on the different solubility’s of substances

31. State 5 different forms of alternative energy

32 Give two uses of electromagnets

33. How can you increase the strength of an electromagnet

34. How does a dynamo work?

35. What happens when two like poles meet?

36. In an induced current. How can you increase the strength

37. In an induced current , how can you change the direction of the current?

38. What is the difference between a turbine and a generator

39. What kind of waves are sound waves.

40. Draw and label a wave to show the frequency, wavelength and amplitude.