

## Grade 7 Science Final Review Questions

1. List and sketch lab safety symbols.
2. List and sketch hazard symbols.
3. What are the parts of the microscope?
4. What is an observation?
5. What is an independent and dependent variable?
6. Construct and give an example of a table of value.
7. What is a line graph and what are its parts?
8. What is a bar graph and what are its parts?
9. Describe the scientific method. What are the steps?
10. What is volume? How is it measured? What are the units?
11. What is mass? How is it measured? What are the units?
12. Describe the states of matter. How is energy transferred?
13. What are phase changes?
14. What is a physical change?
15. Describe a chemical change. What are its indicators?
16. What is a pure substance?
17. What is a homogeneous and heterogeneous solution?
18. Describe properties of acids and bases. What tests are used to distinguish them?
19. What is an Atom? Molecule? Element? Compound?
20. Describe the first 20 elements of the periodic table. What are their symbols?
21. What is a characteristic property? Be specific.
22. Define the law of conservation of mass.
23. What are the layers of the earth?
24. What is the continental drift theory? What is a tectonic plate?
25. Describe the science behind tsunamis, earthquakes and volcanoes.
26. What are the effects of erosion? How is soil formed? What layers exist below topsoil?
27. Describe the layers of the atmosphere.
28. What is a front, air mass, high or low pressure region?
29. What is a watershed?
30. Define salinity.
31. What is thermohaline circulation?
32. What is the effect of global warming in relation to the melting of glaciers?
33. Describe the water cycle.
34. What is a technical drawing? What are its parts?
35. Describe a technical diagram.
36. What is a specification?
37. Describe manufacturing process, materials and equipment.
38. What is a force?
39. What are flexion, tension, compression, torsion and shearing forces? Draw the symbols.
40. Describe in detail your design and construction process of your toothpick bridge.