Year 9 Chemistry

“Do you know any jokes about Sodium?”

11

Na

Sodium

22.990

**Vocabulary**

I can explain what each of these words mean.

atom boiling burning chromatography combustion

compound condensation density deposition diffusion

dissolving distillation element evaporation filtering

freezing gas insoluble liquid melting

metal mixture non-metal particle solid

solidifying soluble solute solution solvent

solution solvent subliming vibration

**Learning objectives**

I can do all of these things.

|  |  |  |
| --- | --- | --- |
|  | **Learning objective** | **I can do** |
| 1 | Describe the arrangement of particles in solids, liquids and gases. |  |
| 2 | Explain the properties, particle closeness and energy of solids, liquids and gases. |  |
| 3 | Explain how matter can be changed from one state to another. |  |
| 4 | Describe the signs of a chemical change. |  |
| 5 | Give the name and symbol of the 30 elements on the junior periodic table. |  |
| 6 | Compare and contrast the properties of metals and non-metals. |  |
| 7 | Define elements, compounds and mixtures, and explain their differences. |  |
| 8 | Demonstrate how to separate mixtures using a range of techniques. |  |
| 9 | Investigate and present a report on how an element is used in society. |  |