



Coonabarabran High School

Assessment Notification (Revised)

Subject: Year 7 Science

Original date of Notification: 12/3/20

Assessment task 1: Matter topic test

Due date: Term 2 Week 2

Weighting: 10%

Teacher: S Moore, H. Deasey, M. Eshman

This topic test was to be conducted during Term 1 Week 9 and it was initially weighted at 15%. We would like students to complete this task at home during the first two weeks of Term 2 and submit this task along with their completed Term 2 Week 1/2 booklets or via Google Classroom. Please note that it can be completed using your learning materials (ie. An open book test)

- Topics:** Matter
- Equipment needed:** black pen, lead pencil, pencil sharpener, ruler, and an eraser. The use of a calculator is optional.
- Length of exam:** 1 period during their normal class time.
- Exam structure:** Multiple choice questions
Scientific diagrams and drawings
Simple graphing skills
Cloze passage and extended response questions

Outcomes being assessed:

Knowledge and Understanding	Skills
<p>CW1 The properties of the different states of matter can be explained in terms of the motion and arrangement of particles.</p>	
<p>Students should be able to:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Describe the behaviour of matter in terms of particles that are continuously moving and interacting eg. Particles in solids are tightly packed and they vibrate. <input type="checkbox"/> Relate an increase or decrease in the amount of heat energy to changes in particle movement eg. When heat is added to a solid, the particles vibrate more rapidly. <input type="checkbox"/> Use a simple particle model to predict the effect of adding or removing heat on different states of matter eg. Using the model with the little circles representing the particles, what will happen when heat energy is removed from a gas? <input type="checkbox"/> Explain changes that occur in evaporation, condensation, boiling, melting and freezing using the particle model eg Evaporation is the change of state from a liquid to a gas. The liquid particles that are being heated move faster and faster until they become a gas. <input type="checkbox"/> Explain density in terms of a simple particle model eg. 1 Litre of water is heavier than 1 Litre of air because the particles in the water are packed more closely together. <input type="checkbox"/> Identify the benefits and limitations of using models to explain the properties of solids, liquids and gases eg. When we draw the particles as circles, we can see how tightly they are packed, but we can't see them vibrating or moving. 	<p>Students should be able to:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Identify the purpose of an investigation (Aim) <input type="checkbox"/> Identify the appropriate equipment to conduct an investigation including the appropriate safety equipment <input type="checkbox"/> Correctly draw scientific apparatus <input type="checkbox"/> Use appropriate scientific terminology when providing explanations <input type="checkbox"/> Draw a simple line graph from the data provided