

Grade 7 Natural Science Worksheet

Assessment Task: Writing scientific reports

Writing scientific reports

You have learned that scientists write what they have learned in a scientific investigation into a scientific report.

Can you write a scientific report?

Fill in the blank spaces. The first row has been done for you.

Section in Scientific Report	Sentence to help me know what to do	Example
Research Question	I would like to find out ...	if temperature affects how fast salt dissolves in water.
	I will be investigating ...	the effect of temperature on salt dissolving in water.
		temperature will not make a difference to how salt dissolves in water.
Equipment	I will need ...	
		1. Prepare 150 ml of water at three different

Grade 7 Natural Science Worksheet

		<p>temperatures in three beakers.</p> <ol style="list-style-type: none">Put 1 heaped tablespoon of salt into beaker one.Stir and record the time taken for the salt to dissolve.Repeat for other beakers.Record results in a table.
Results		
	I found out that ...	
Evaluation		

Grade 7 Natural Science Worksheet

Suggested Solutions

Solution		
Section in Scientific Report	Sentence to help me know what to do	Example
Research Question	I would like to find out ...	if temperature affects how fast salt dissolves in water.
Aim	I will be investigating ...	the effect of temperature on salt dissolving in water.
Hypothesis	I think that ...	temperature will not make a difference to how salt dissolves in water.
Equipment	I will need ...	3 beakers, 450 ml water at three different temperatures, a tablespoon, salt, a stopwatch.
Method	I will ...	<ol style="list-style-type: none"> 1. Prepare 150 ml of water at three different temperatures in three beakers. 2. Put 1 heaped tablespoon of salt into beaker one. 3. Stir and record the time taken for the salt to dissolve. 4. Repeat for other beakers. 5. Record results in a table.
Results	I saw that ...	the salt in the beaker with the warmest water dissolved in 30 seconds, while the salt in the beaker with the coolest water dissolved in 1 minute.
Conclusion	I found out that ...	temperature does affect how fast salt dissolves in water; so my hypothesis was wrong.
Evaluation	I could improve my investigation by ...	using a thermometer to get more accurate results; stirring at the same speed; using a control, etc.

Grade 7 Natural Science Worksheet

Level indicator for this task

Level 4	Level 3	Level 2	Level 1
Learner is able to competently and independently complete all sections of the table with accurate and meaningful statements; terminology is correctly used with understanding.	Learner is able to complete most sections of the table with accurate and meaningful statements; some assistance is required; terminology is mostly correctly used with understanding.	Learner is able to complete some sections of the table with accurate and meaningful statements; much assistance is required; terminology is occasionally correctly used with understanding.	Learner is unable to complete most sections of the table with accurate and meaningful statements; much assistance is required; terminology is not correctly used with understanding.

Grade 7 Natural Science Worksheet

Appendix of Assessment Tools

Level indicator for this task

Level 4	Level 3	Level 2	Level 1
Learner is able to competently and independently complete all sections of the table with accurate and meaningful statements; terminology is correctly used with understanding.	Learner is able to complete most sections of the table with accurate and meaningful statements; some assistance is required; terminology is mostly correctly used with understanding.	Learner is able to complete some sections of the table with accurate and meaningful statements; much assistance is required; terminology is occasionally correctly used with understanding.	Learner is unable to complete most sections of the table with accurate and meaningful statements; much assistance is required; terminology is not correctly used with understanding.