



Year 8 Science Term 2 Homework Booklet

Name: _____

Teacher : _____

Class: _____

<i>Homework</i>	<i>Pages</i>	<i>Due</i>
<i>8.6 – Ecologist</i>	<i>3-6</i>	
<i>8.7 – Geologist</i>	<i>7-12</i>	
<i>8.8 – Pharmacist</i>	<i>13-16</i>	

Introduction

Why is it important?

Learning at home is very important; it will help you become a more confident learner by developing your key skills within the subject.

In Science the purpose of learning at home is to:

- Help you to find time and develop your understanding of science in the world
- Help you to build confidence in your knowledge and skills.
- Help you to apply the topics covered in lessons to work outside of lessons

What do I have to do?

Every week you will be expected to complete a section of your homework booklet.

Tasks will vary depending on the skill you are working on, however, each week will contain either:

- A section of the knowledge organiser
- Practice questions

You will have time in lesson to peer mark one another's work and your teacher will check that you have completed the work to a good standard.

What if I get stuck?

If you are unsure with what to do, or need a hand please see Mr Zulfiqar who will be happy to help

Useful resources include:

- Asking your class teacher
- Asking an adult at home to help
- The CGP revision booklet
- GCSE Bitesize
- Youtube

Science Homework

8.6 - Ecologist

1 – What does a food chain show?



Science Homework

8.6 - Ecologist

2 – what is a producer?



Science Homework

8.6 - Ecologist

3 – What is a carnivore?



Science Homework

8.6 - Ecologist

4 – What is a primary consumer?



Science Homework

8.6 - Ecologist

5 – What is an apex predator?



Science Homework

8.6 - Ecologist

6 - What is a prey?



Science Homework

8.6 - Ecologist

7 – What happens to a food chain if the producer dies?



















Science Homework

8.6 - Ecologist

8 - What happens to a prey if its predator dies?



<p>Science Homework 8.6 - Ecologist</p> <p>2 -</p> <p></p>	<p>Science Homework 8.6 - Ecologist</p> <p>1 -</p> <p></p>
<p>Science Homework 8.6 - Ecologist</p> <p>4 -</p> <p></p>	<p>Science Homework 8.6 - Ecologist</p> <p>3 -</p> <p></p>
<p>Science Homework 8.6 - Ecologist</p> <p>6 -</p> <p></p>	<p>Science Homework 8.6 - Ecologist</p> <p>5 -</p> <p></p>
<p>Science Homework 8.6 - Ecologist</p> <p>8 -</p> <p></p>	<p>Science Homework 8.6 - Ecologist</p> <p>7 -</p> <p></p>

<p>Science Homework 8.6 - Ecologist</p> <p>9 – Define habitat</p> <p></p>	<p>Science Homework 8.6 - Ecologist</p> <p>10 – Define competition</p> <p></p>
<p>Science Homework 8.6 - Ecologist</p> <p>11 – State 3 things that animals compete for</p> <p></p>	<p>Science Homework 8.6 - Ecologist</p> <p>12 – State 3 things that plants compete for</p> <p></p>
<p>Science Homework 8.6 - Ecologist</p> <p>13 – What is an adaptation?</p> <p></p>	<p>Science Homework 8.6 - Ecologist</p> <p>14 – State how a camel is adapted to its environment</p> <p></p>
<p>Science Homework 8.6 - Ecologist</p> <p>15 – What is Biodiversity?</p> <p></p>	<p>Science Homework 8.6 - Ecologist</p> <p>16 – State one way in which humans are affecting the biodiversity on earth</p> <p></p>

Science Homework

8.6 - Ecologist

10 -



Science Homework

8.6 - Ecologist

9 -



Science Homework

8.6 - Ecologist

12 -



Science Homework

8.6 - Ecologist

11 -



Science Homework

8.6 - Ecologist

14 -



Science Homework

8.6 - Ecologist

13 -



Science Homework

8.6 - Ecologist

16 -



Science Homework

8.6 - Ecologist

15 -



Science Homework

8.7 - Geologist

1 – What is a rock?



Science Homework

8.7 - Geologist

2 – What are the 3 types of rocks?



Science Homework

8.7 - Geologist

3 – How is sedimentary rock formed?



Science Homework

8.7 - Geologist

4 – Give an example of a sedimentary rock



Science Homework

8.7 - Geologist

5 – What is a fossil?



Science Homework

8.7 - Geologist

6 – How are fossils formed?



Science Homework

8.7 - Geologist

7 – What do fossils tell us about organisms?



Science Homework

8.7 - Geologist

8 – What are the 4 layers of the earth?



Science Homework

8.7 - Geologist

2 -



Science Homework

8.7 - Geologist

1 -



Science Homework

8.7 - Geologist

4 -



Science Homework

8.7 - Geologist

3 -



Science Homework

8.7 - Geologist

6 -



Science Homework

8.7 - Geologist

5 -



Science Homework

8.7 - Geologist

8 -



Science Homework

8.7 - Geologist

7 -



Science Homework

8.7 - Geologist

9 – What is the core of the earth made from?



Science Homework

8.7 - Geologist

10 – What are tectonic plates?



Science Homework

8.7 - Geologist

11 – How are igneous rocks formed?



Science Homework

8.7 - Geologist

12 – Give an example of an igneous rock



Science Homework

8.7 - Geologist

13 – How are metamorphic rocks formed?



Science Homework

8.7 - Geologist

14 – Give an example of a metamorphic rock



Science Homework

8.7 - Geologist

15 – What is the rock cycle?



Science Homework

8.7 - Geologist

16 – What's the difference between weathering and erosion?



Science Homework

8.7 - Geologist

10 -



Science Homework

8.7 - Geologist

9 -



Science Homework

8.7 - Geologist

12 -



Science Homework

8.7 - Geologist

11 -



Science Homework

8.7 - Geologist

14 -



Science Homework

8.7 - Geologist

13 -



Science Homework

8.7 - Geologist

16 -



Science Homework

8.7 - Geologist

15 -



Science Homework

8.7 - Geologist

17 - What is chemical weathering?



Science Homework

8.7 - Geologist

18 – What are fossil fuels?



Science Homework

8.7 - Geologist

19 - What are the 3 fossil fuels?



Science Homework

8.7 - Geologist

20 – What is the problem with using fossil fuels?



Science Homework

8.7 - Geologist

21 – What is the water cycle?



Science Homework

8.7 - Geologist

22 – What are the 4 types of precipitation?



Science Homework

8.7 - Geologist

23 – What 3 air pollutants do we need to be aware of?



Science Homework

8.7 - Geologist

24 – How can I reduce the levels of sulphur dioxide being released into the atmosphere?



Science Homework

8.7 - Geologist

18 -



Science Homework

8.7 - Geologist

17 -



Science Homework

8.7 - Geologist

20 -



Science Homework

8.7 - Geologist

19 -



Science Homework

8.7 - Geologist

22 -



Science Homework

8.7 - Geologist

21 -



Science Homework

8.7 - Geologist

24 -



Science Homework

8.7 - Geologist

23 -



Science Homework

8.8 - Pharmacist

1 – What is a pure substance?



Science Homework

8.8 - Pharmacist

2 – Give an example of a pure substance



Science Homework

8.8 - Pharmacist

3 – How can I tell a substance is pure from its boiling point?



Science Homework

8.8 - Pharmacist

4 – What does soluble mean?



Science Homework

8.8 - Pharmacist

5 – is dissolving a chemical reaction?



Science Homework

8.8 - Pharmacist

6 – State a factor that affects solubility?



Science Homework

8.8 - Pharmacist

7 – What does a 'saturated solution' mean?



Science Homework

8.8 - Pharmacist

8 – What is condensation?



Science Homework

8.8 - Pharmacist

2 -



Science Homework

8.8 - Pharmacist

1 -



Science Homework

8.8 - Pharmacist

4 -



Science Homework

8.8 - Pharmacist

3 -



Science Homework

8.8 - Pharmacist

6 -



Science Homework

8.8 - Pharmacist

5 -



Science Homework

8.8 - Pharmacist

8 -



Science Homework

8.8 - Pharmacist

7 -



Science Homework

8.8 - Pharmacist

9 – What is evaporation?



Science Homework

8.8 - Pharmacist

10 – What's distillation?



Science Homework

8.8 - Pharmacist

11 – Why is distillation useful?



Science Homework

8.8 - Pharmacist

12 – How is evaporation different from boiling?



Science Homework

8.8 - Pharmacist

13 – What is chromatography?



Science Homework

8.8 - Pharmacist

14 – How does chromatography work?



Science Homework

8.8 - Pharmacist

15 – Why do we draw a line in pencil in chromatography?



Science Homework

8.8 - Pharmacist

16 – How can chromatography tell if a substance is pure or not?



Science Homework

8.8 - Pharmacist

10 -



Science Homework

8.8 - Pharmacist

9 -



Science Homework

8.8 - Pharmacist

12 -



Science Homework

8.8 - Pharmacist

11 -



Science Homework

8.8 - Pharmacist

14 -



Science Homework

8.8 - Pharmacist

13 -



Science Homework

8.8 - Pharmacist

16 -



Science Homework

8.8 - Pharmacist

15 -

