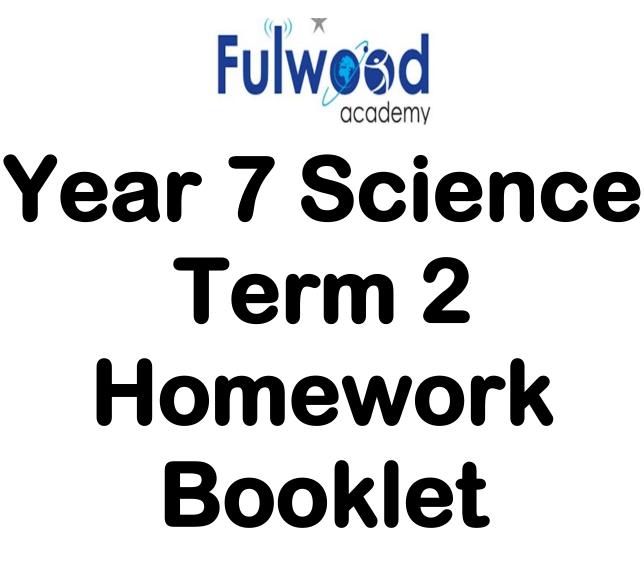
Page **1** of **12** 



Name:

**Teacher**:

Class: \_

Homework	Pages	Due
7.6 – Geneticist	3-4	
7.7 – Health Scientist	5-8	
7.8 – Force Scientist	9-12	

# 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



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?

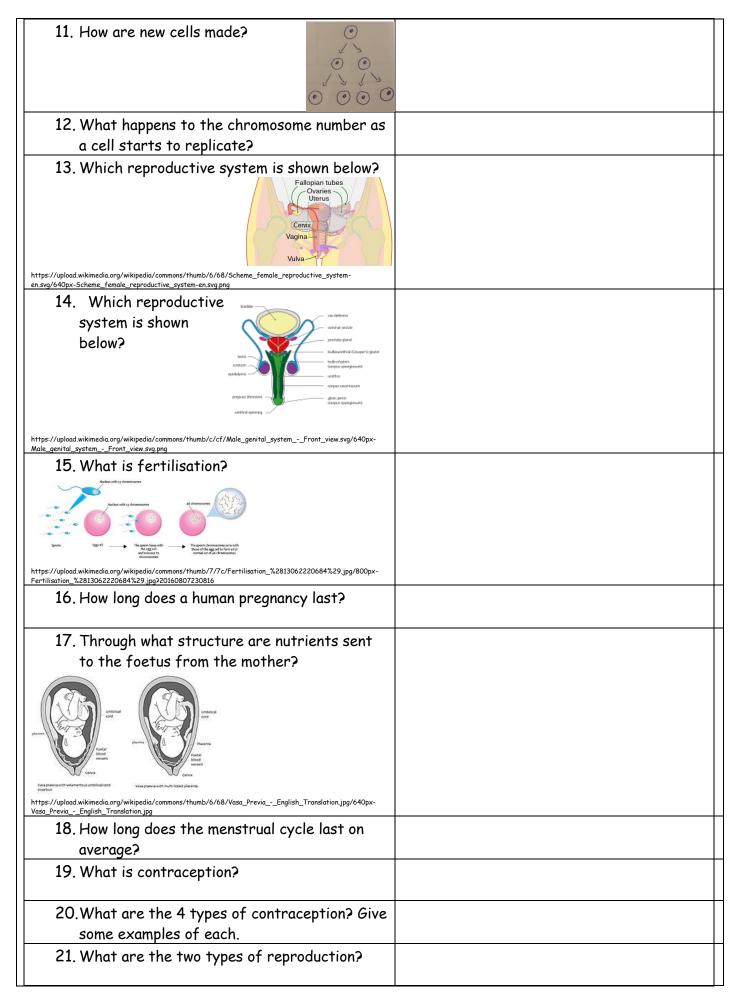
If you are unsure with what to do, or need a hand please see Mr Zulfiqar who will be happy to help

Useful resources include:

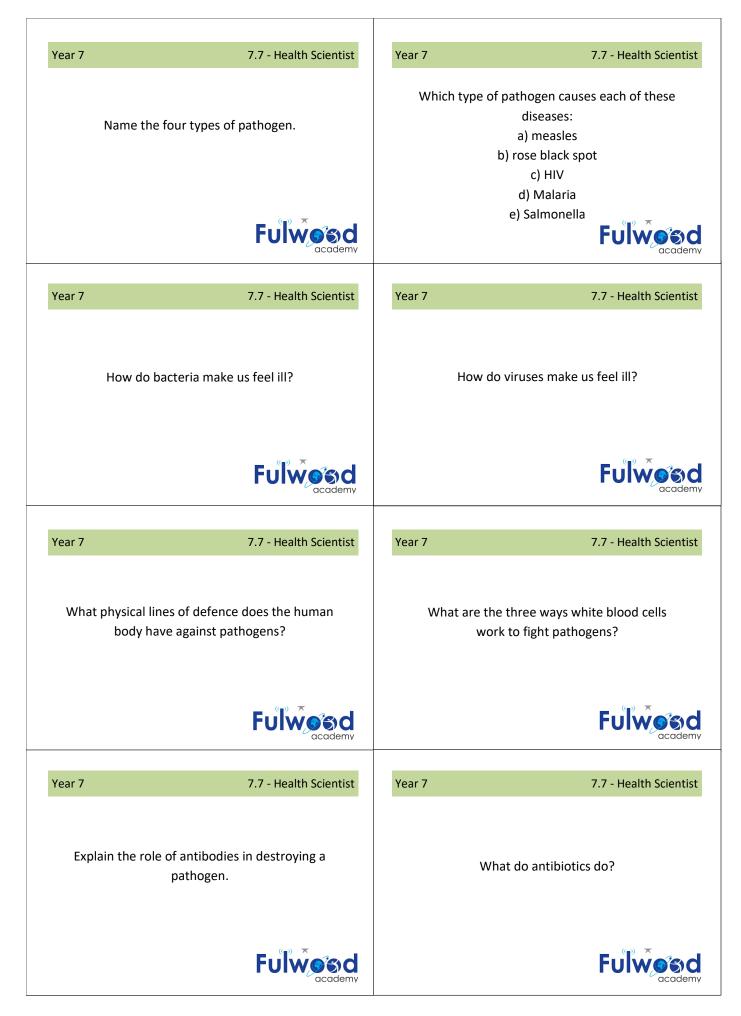
- Asking your class teacher
- Asking an adult at home to help
- The CGP revision booklet
- GCSE Bitesize
- Youtube

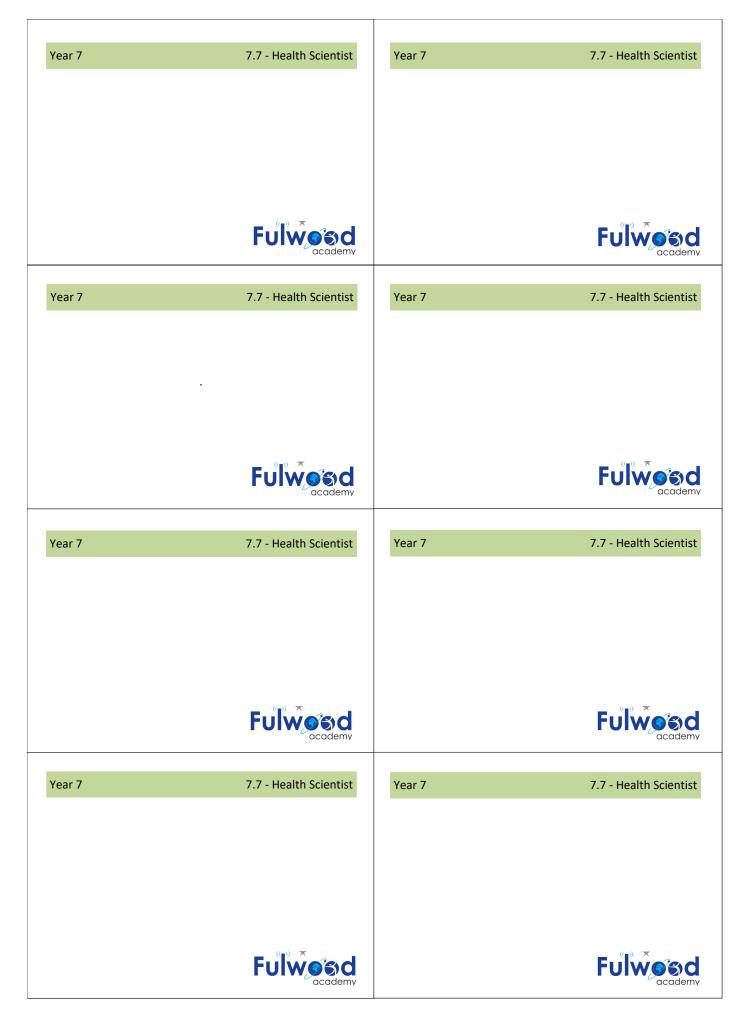
### 7.6 – Geneticist

Geneticist questions	Answers
1. Define species:	
The image shows 2 ligers	
https://commons.wikimedia.org/wiki/File:Liger_couple.jpg	
2. Define variation: Eye Color Chart	
Constant lines	
https://upload.wikimedia.org/wikipedia/commons/thumb/e/e6/Eye_Color_Chart_by_ygraph.png/640px- Eye_Color_Chart_by_ygraph.png	
3. What are the two types of variation?	
4. What are structures 1-7?	
1 2	
5. What is a gene?	
6. What is the genome?	
7. How many chromosomes K > K K	
in a human body cell? K K K R R P K	
<u> </u>	
1	
https://upload.wikimedia.org/wikipedia/commons/thumb/d/df/Human_male_karyotpe_high_resolution.jpg/765px-	
Human_male_karyotpe_high_resolution.jpg220061129214050 8. How many chromosomes in a human gamete	
(egg and sperm cell)?	
9. DNA is made up of 4	
bases; A,C, G and T.	
Which base pairs up 4.	
with which other?	
10. What is genetic engineering?	
https://upload.wikimedia.org/wikipedia/commons/b/b9/Genetic_Manipulation.png	

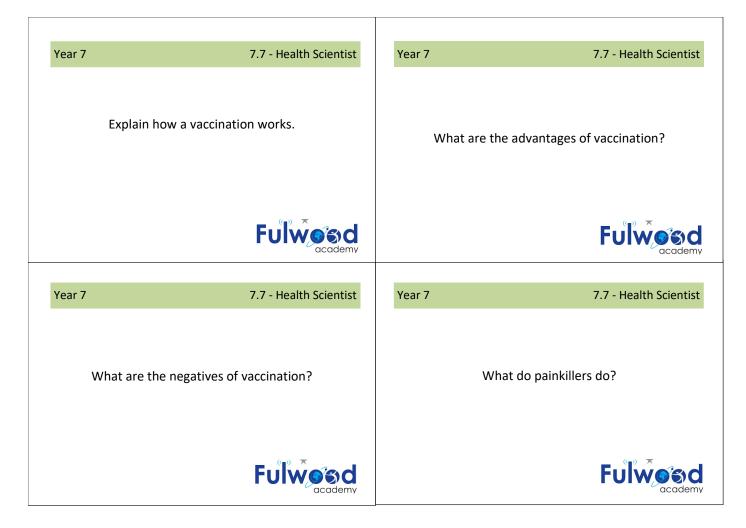


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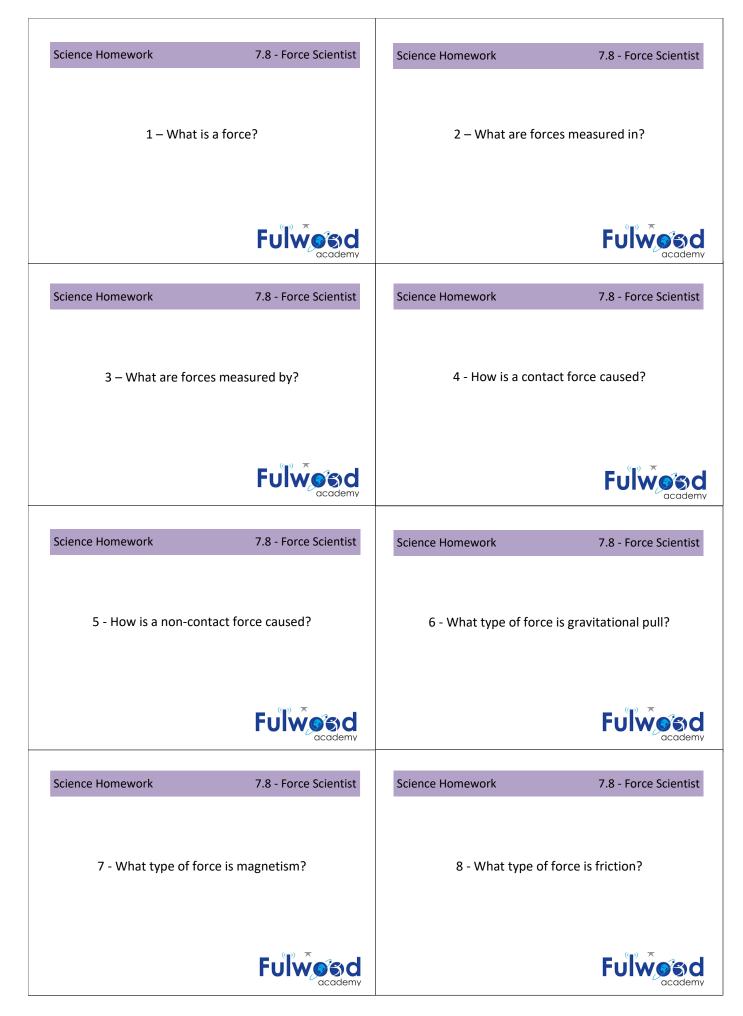




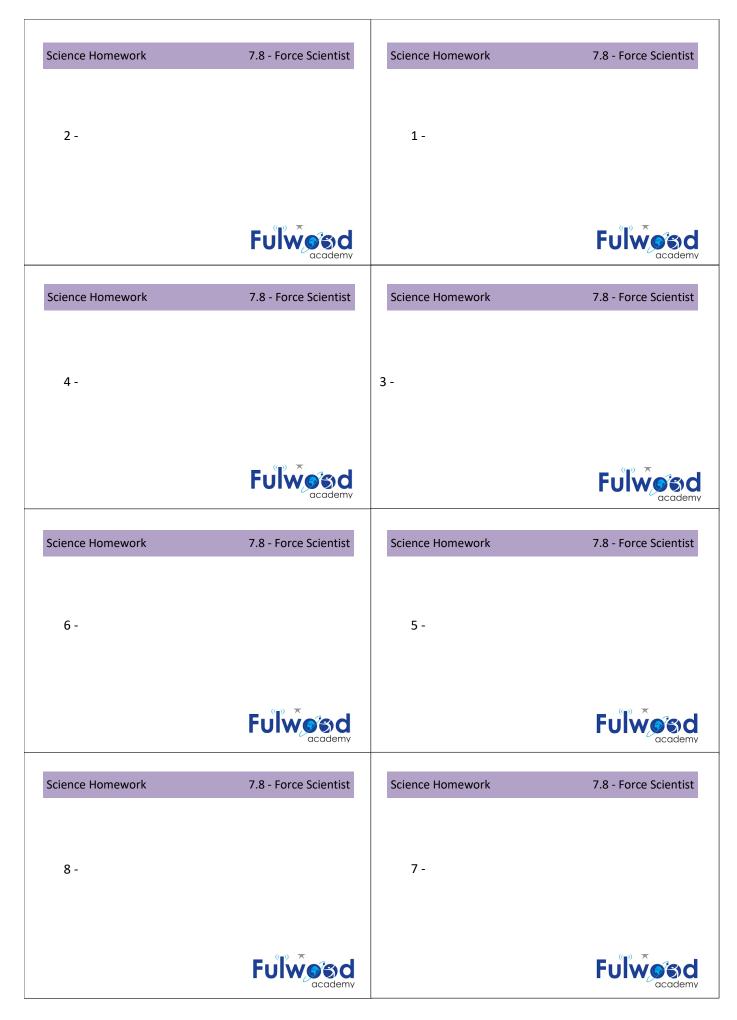
#### Page **7** of **12**



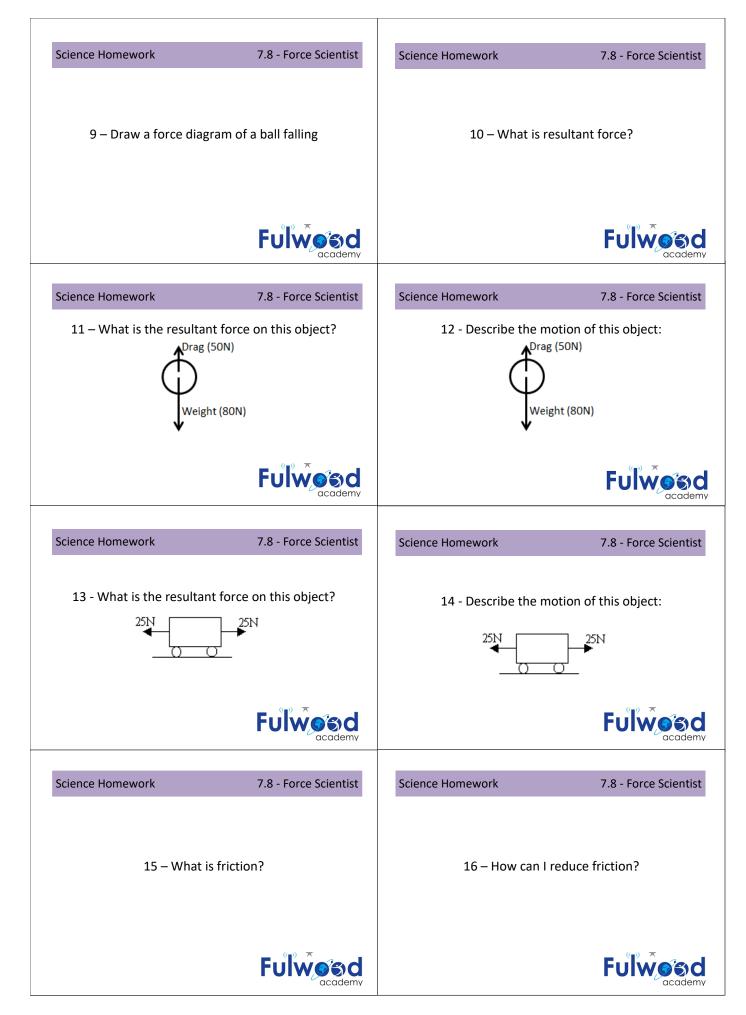




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Science Homework	7.8 - Force Scientist	Science Homework	7.8 - Force Scientist
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Science Homework	7.8 - Force Scientist	Science Homework	7.8 - Force Scientist
12 -		11 -	
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Science Homework	7.8 - Force Scientist	Science Homework	7.8 - Force Scientist
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Science Homework	7.8 - Force Scientist	Science Homework	7.8 - Force Scientist
16 -		15 -	
	Fulwood		Fulled
	<sup>6</sup> academy		~ academy