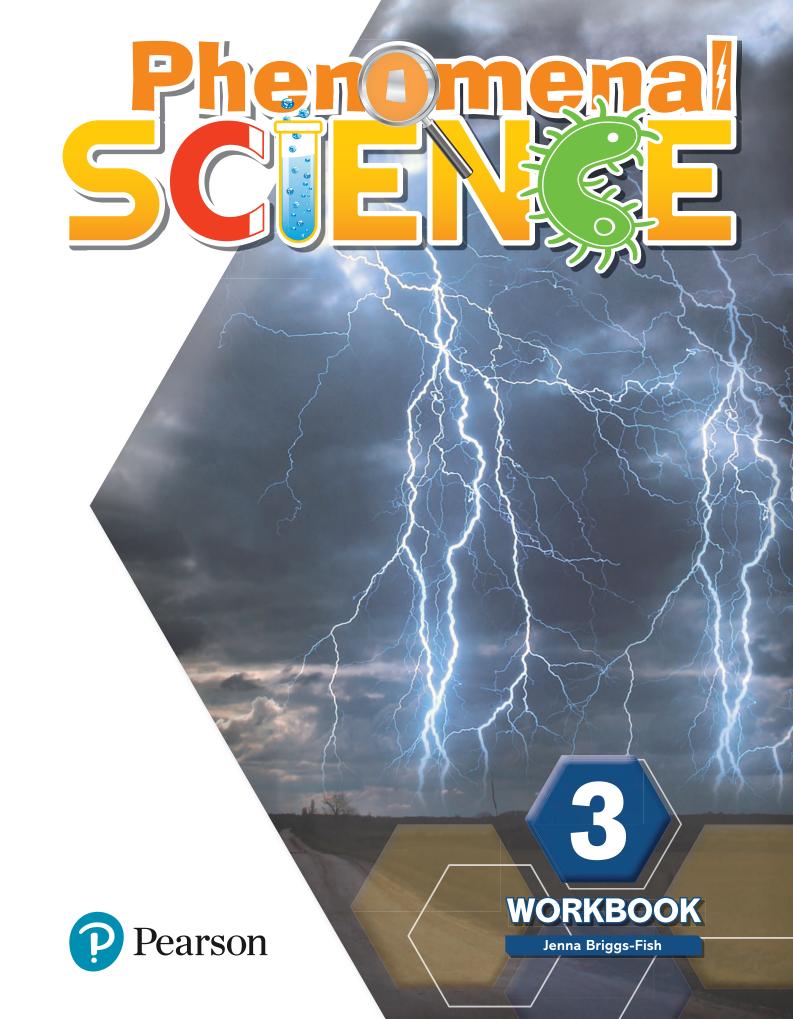


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Lesson 1 How do we design new things?



1. Match the problems to the solutions.

 It is dangerous to ride a motorbike.



2 I can't breathe under water.



3 The sun can be dangerous for my eyes.



2. Draw solutions for these problems.

- 1 I don't want to get wet in the rain.
- 2 My ears are cold.
- 3 My pet hamster needs more exercise.

3. Label these materials as soft, hard, heavy, or light.







1 _____

2 _____

4. Choose a material for these objects from the box. Give a reason for each choice.

cotton	fleece	alass	leather	metal	plastic	wood
COHOH	110000	giass	icamci	morai	plastic	Wood

	best material(s)	why
1 water bottle		
2 garden chairs and table		
3 school shoes		

5. Which fastener was created first? Number them.





6. Write T (true) or F (false).

- 1 Engineers build their product based on the first idea they have.
- 2 Engineers choose their materials carefully.
- 3 Engineers must test and improve their inventions.
- 4 Engineers never share their designs.
- 5 Other engineers can change or improve on a design.