

Unit 2 Properties of materials (continued)

Task 1: Stiff or flexible (page 77)

Sometimes we need materials that are **flexible** because they can bend without breaking. A **stiff** material is needed if something should not bend, such as the handle of a spade.



Flexible hose and stiff sprinkler



Stiff toothbrush with flexible bristles

Task 1

Look at various objects you have at home and list them in the table below:

Stiff	Flexible
Hose sprinkler	Garden hose
Toothbrush	Toothbrush bristles

Task 2: Strong or weak and light or heavy. (page 78)

We need to use the right material when we make something. For example: Stone is a very strong material. It can however be difficult to work with as it is very heavy. The lightness or heaviness of a material needs to be considered to see if it is suitable to make something with. Plastic is light, but can also be very strong.

Give reasons for the following:

a) Why is a racing bicycle built with light materials?

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d) Why is a military vehicle, like a tank, made of heavy steel?

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Task 3: Waterproof or absorbent (page 79)



Cloths absorb water.



A raincoat is waterproof.

Instruction: Do numbers 2 and 3 of Activity 8 on page 79 in your book. Remember to write your date and heading.

1. Use the words in the word box in good sentences.

Example: A blown-up balloon is light.

Task 3 (continued).

Word box

brittle	stiff	hard	soft	flexible	weak
waterproof	absorbent	heavy	light		

Sentences:

- a) \_\_\_\_\_
- b) \_\_\_\_\_
- c) \_\_\_\_\_
- d) \_\_\_\_\_
- e) \_\_\_\_\_
- f) \_\_\_\_\_
- g) \_\_\_\_\_
- h) \_\_\_\_\_
- i) \_\_\_\_\_

2. List one material made from:

- a) sand \_\_\_\_\_
- b) clay \_\_\_\_\_
- c) coal and oil \_\_\_\_\_
- d) plants \_\_\_\_\_
- e) animals \_\_\_\_\_

3. Write the **Key Concepts** on page 79 neatly down in your book.

Task 4      Topic revision (page 80)

**Instruction:** Do Science language activity (the table) as well as Revision activity (only no. 1, 2 and 3) in your exercise book, or neatly on paper.

