

6

Materials

1 Materials testing

Start here

1 Work in pairs. Read the instructions and answer the question.

- Look at the helmet and rope. What are they made of?
- Design tests for them. Use diagrams and the words in the box.

break nylon polycarbonate pull stretch strike

Listening

2  32 Listen and answer the questions.

1 What material is the rope made of?

2 What is the lecturer doing?

3 Is the rope breaking?

3 Listen again and complete the dialogue.

- I'm (1) the rope. I'm (2) it.
- Is it (3) ?
- No, it (4) .
- That's right. It (5) .



Language

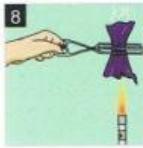
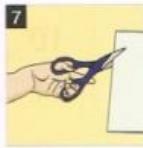
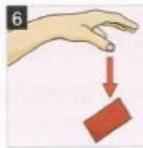
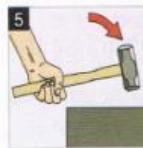
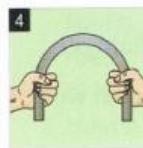
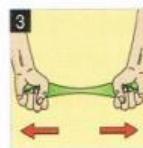
This is the *present continuous* form of the verb. Use it to describe what is happening at the same time as you are speaking.

I	'm am	pull	-ing	the rope.
The rope	isn't is not	break	-ing.	
What	are	you	do	-ing?
Is	the rope		break	

Vocabulary

4 Match the actions with the verbs in the box.

bend compress cut drop heat scratch stretch strike



Language **5** The lecturer is testing other materials. Complete his description.

- Now I (1) *in heating* (heat) this plastic to 100°C. Can you see?
It (2) _____ (not melt).

OK, now I (3) _____ (put) this helmet on the floor. And now the machine (4) _____ (drop) a 10 kg weight on it.

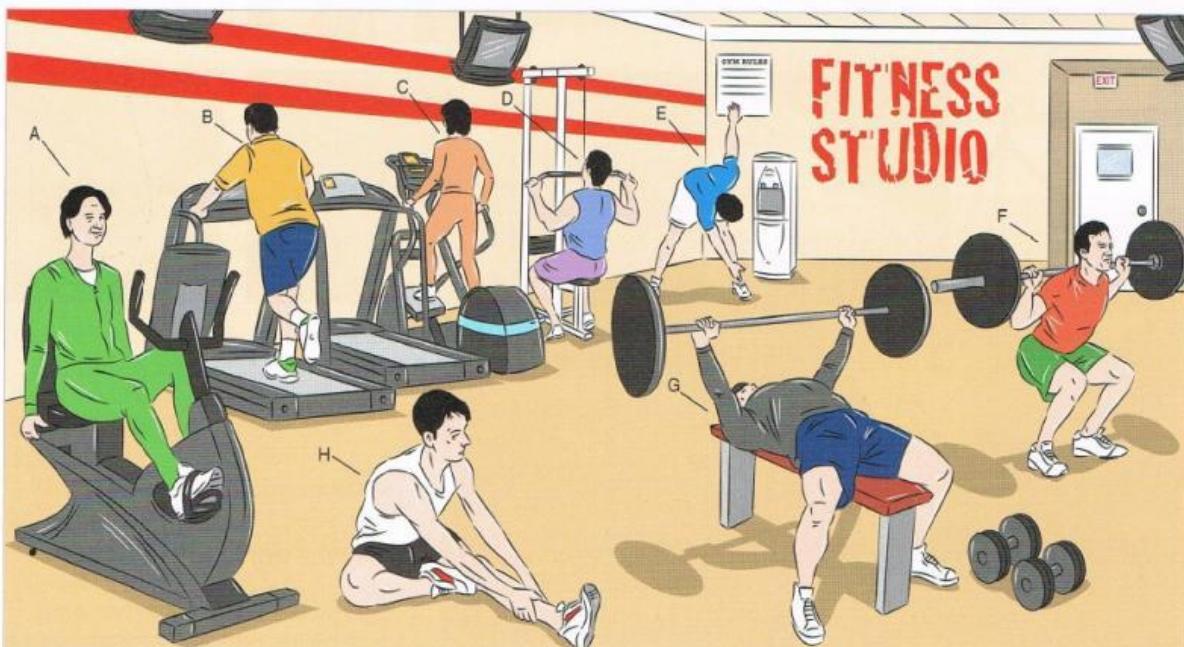
Right, now look at Dr Wilson. He (5) _____ (strike) the metal plate with a hammer. But the plate (6) _____ (not bend).

OK, now the jaws of the vice (7) _____ (compress) this plastic block. The block (8) _____ (not break).

Now Dr Wilson (9) _____ (hang) a weight of 500 kg from the ropes. But the ropes (10) _____ (not stretch).

Speaking **6** What are the people in the gym doing? Describe this picture using the words in the box.

bend cycle hold lift pick up pull push run sit stretch touch



7 Ask and answer questions about the picture in 6.

A: *What's D doing? Is he pushing the bar up?*
B: *No, he isn't. He's pulling the bar down.*

8 Work in pairs. Guess the sport from the mime.

Student A: do the actions.

Student B: guess what Student A is doing. Then change roles.

A: *Watch me. (Mime a sport). What am I doing now?*
B: *Are you diving?*
A: *No, I'm not diving.*
B: *I know. You're swimming.*
A: *Yes, you're right. I'm swimming.*