

Safety in Laboratory

A Match the icons with the type of hazard

- 1 chemical
- 2 radioactive
- 3 fire
- 4 electrical
- 5 animal
- 6 bio
- 7 sharp instrument
- 8 glassware
- 9 eye and face
- 10 heat
- 11 explosive
- 12 laser radiation



5 hazard



7 hazard



10 hazard



8 hazard



1 hazard



4 hazard



9 hazard



3 hazard



6 hazard



12 hazard



2 hazard



11 hazard

B Some rules. Read the rules below and write a number according to the type of safety measure.

- 1 General and personal safety
- 2 Electrical safety
- 3 Chemical safety
- 4 Laser safety

Treat every chemical as if it were hazardous. 1,3

If leaving a lab unattended, turn off all ignition sources and lock the doors. 1,2

NEVER, EVER LOOK INTO ANY LASER BEAM, no matter how low power or "eye safe" you may think it is. 4

Avoid using extension cords whenever possible. 2

Never eat, drink, or smoke while working in the laboratory. 1

Clothing: When handling dangerous substances, wear gloves, laboratory coats, and safety shield or glasses. Shorts and sandals should not be worn in the lab at any time. 1

Never allow a solvent to come in contact with your skin. Always use gloves. 3

Never return chemicals to reagent bottles. 3

Wash hands before leaving the lab and before eating. 1

Never pipette anything by mouth. 1,3

C Protective equipment

- 1 shield
- 2 respirator
- 3 gown/coat
- 4 goggles /glasses
- 5 apron
- 6 gloves
- 7 (face) mask



D Grammar point

1 Conditional (I would)

Complete the sentences using **would** + the following verbs (in the correct form):

be be ~~do~~ do enjoy enjoy have pass stop

- 1 They helped us a lot. I don't know what we would have done without their help.
- 2 You should go and see the film. You would enjoy it.
- 3 It's a pity you couldn't come to the party last night. You would have enjoyed it.
- 4 Shall I apply for the job or not? What would you do in my position?
- 5 I was in a hurry when I saw you. Otherwise I would have stopped to talk.
- 6 We took a taxi home last night, but got stuck in the traffic. It would have been quicker to walk.
- 7 Why don't you go and see Clare? She would be very pleased to see you.
- 8 Why didn't you do the exam? I'm sure you would have passed it.
- 9 In an ideal world, everybody would have enough to eat.

2 Conditional clauses I (real)

- A If I study (study), I will pass (pass) the exam.
- B If the sun shines (shine), we will walk (walk) to the town.
- C If you push (push) this button, the analyser will stop (stop).
- D If she doesn't wear (not wear) the coat, she will not be able (be able) to enter the lab.

3 Conditional clauses II (imaginary)

- A If you came (come) earlier, I would prepare (prepare) dinner.
- B If Susan studied (study) harder, she would be (be) better at school.
- C If we hurried (hurry), we would spoil (spoil) the experiment.
- D If you didn't turn off (turn off) the fire, the lab would explode (explode).