



ENGLISH

Chapter 10 Session A

3rd
SECONDARY

INVENTION

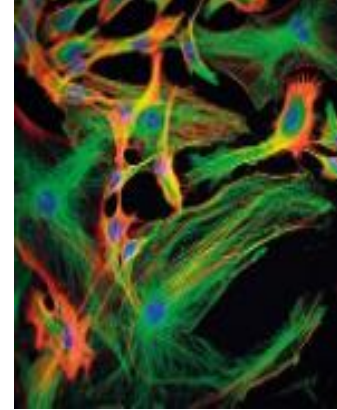
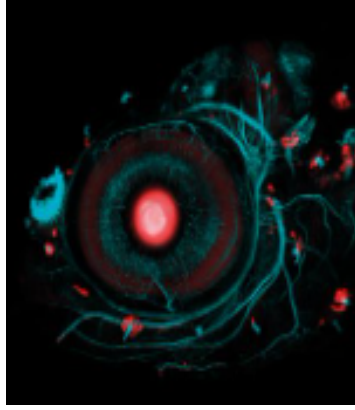
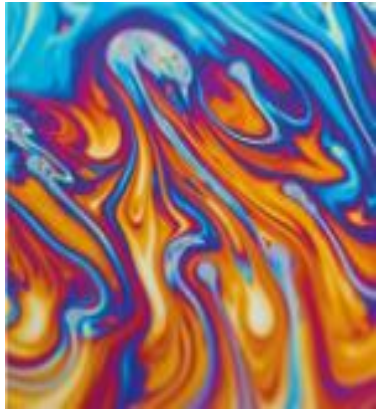


 **SACO OLIVEROS**



4


Invention



WDYT?
(What do you think?)

What makes a good invention? What's the best way to present it to people?

Jobs in science

- 1**  Work in pairs. Look at the jobs. Add any more jobs in science you can think of. Which job is the most interesting? Why?

biologist chemist doctor engineer entrepreneur
inventor physicist researcher scientist



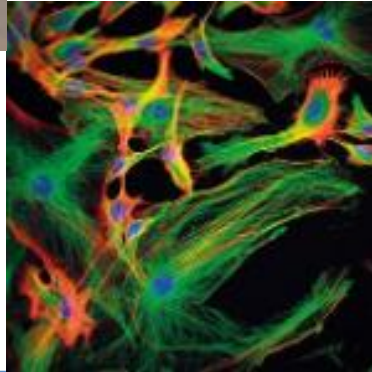
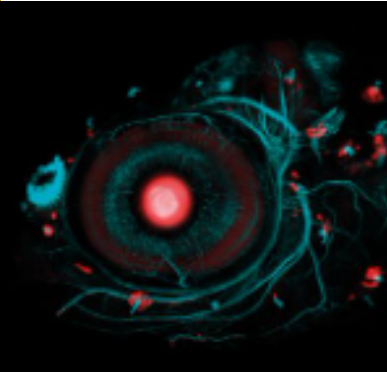
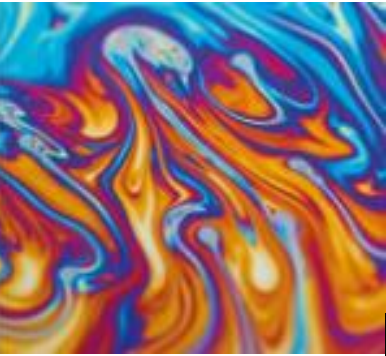
2 Complete the table with the jobs in exercise 1.

-er / -eer	-or	-ist	other spelling
<i>engineer</i> researcher	<i>inventor</i> doctor	<i>scientist</i> biologist chemist physicist	<i>entrepreneur</i>

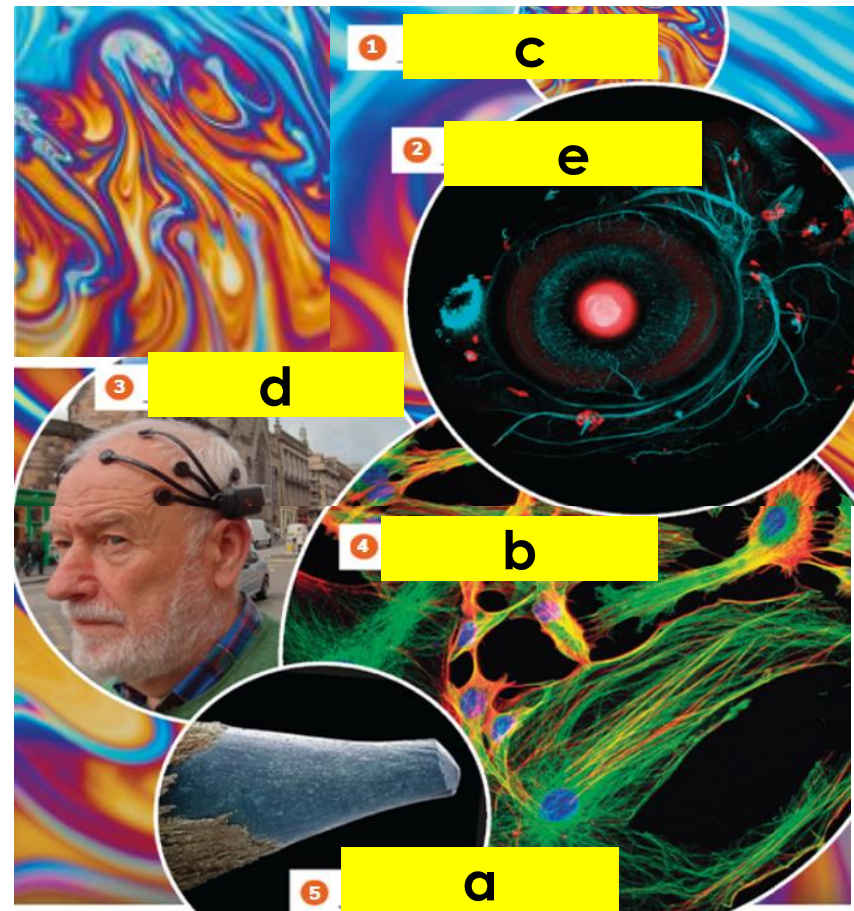
biologist chemist doctor engineer entrepreneur
inventor physicist researcher scientist

Verb and noun collocations: science

3 Look at photos 1–5. What do you think these things are? Use your imagination!



4 In pairs, match photos 1–5 to descriptions a–e.



- a How can you write or draw and erase it out? A scientist **came up with** the solution in 1795 by putting graphite between two pieces of wood. Engineers **developed** this product to make the popular modern pencil. That's how they **invented** it!
- b Believe it or not, this is part of a mouse's brain! A biologist took the picture when she was **investigating** vision and how the brain works. She hopes to **make** some exciting discoveries.
- c This is actually a soap bubble in water. The image was taken when scientists were **researching** how foam is made by drinks and washing up liquid.
- d Imagine wearing this! Researchers **created** this invention to record brain activity. They **designed** the device to fit on someone's head. They were **doing** research to see how people's feelings change when they go to different places.
- e It might look like modern art, but it's a fish's eye. The Zebrafish's eye responds to movement in water and scientists are hoping to **discover** how it does this. They are **doing** experiments to find out.

5



Read the texts again and find the collocations. Match the verbs with the nouns in the boxes.

~~come up with~~ create design develop discover
do x2 invent investigate make research

a device a discovery an experiment
an invention a product x2 research
~~a solution~~ something x3

- ✓ come up with a solution
- ✓ create an invention
- ✓ design a device
- ✓ develop a product
- ✓ discover something
- ✓ do research
- ✓ do an experiment
- ✓ invent a product
- ✓ investigate something
- ✓ make a discovery
- ✓ research something

6



Work in pairs. Circle the correct option and answer the questions. Then write 3–5 more for another pair.

How much do you know about science?

- 1 Who **invented**/discovered the cell phone?
- 2 Who **created**/investigated the radio?
- 3 Who **discovered**/developed radium and polonium?
- 4 Who **made**/**came up with** the idea of the internet?
- 5 Who **developed**/did early computer codes?
- 6 Who **discovered**/invented penicillin?

Martin Cooper

Guglielmo Marconi

Marie Curie

Tim Berners-Lee

Ada Lovelace

Alexander Fleming



Thank you

