

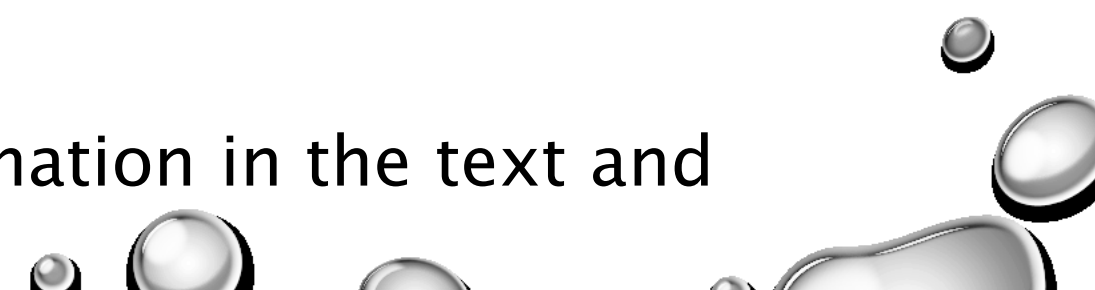
2. GEOLOGY – SCIENCE





TODAY WE ARE GOING TO:



- revise vocabulary and word formation.
 - talk about scientific breakthroughs, how they influence us in the present and how they affect our future.
 - practise listening to be able to get the information we need.
 - practise reading and learn new vocabulary.
 - learn how to use indirect speech while talking about achievements of other people.
 - look for the most important information in the text and summarize it.
- 



REVISION – WORD FORMATION

USE

DIFFER

ACT



INDIRECT SPEECH


- Associate professor of sedimentary geology at Oxford **said**: „The number of samples required for this study was made possible because the diffractometer at Oxford collects mineralogical data 250 times faster than a conventional instrument.“
- Associate professor of sedimentary geology at Oxford **said** that the diffractometer at Oxford **had contributed** to a bigger number of samples.

BASIC RULES

- She said, „I **work** at the university.“ × She said she **worked** at the university.
- She said, „I **have finished my** degree.“ × She said she **had finished her** degree.
- She said, „I **have been studying at this** university for 2 years.“ × She said **she had been studying at that** university for 2 years.
- She said, „I **started** studying **here** 2 years ago.“ × She said **she had started** studying **there** 2 years before.
- She said, „I **was studying yesterday**.“ × She said she **had been studying the day before**.
- She said, „I **will come tomorrow**.“ × She said she **would come the**



BUT!

- Previous research **revealed** that certain clay minerals **are** toxic.
 - Anderson **adds** that for the vast majority of Earth's history, life **has not possessed** hard shells or skeletons.
- 

OTHER REPORTING VERBS

conclude	prove	estimate	reveal
demonstrate	suggest	explain	warn
discover	claim	mention	tell
hypothesize	add	think	propose
observe	doubt	argue	expect

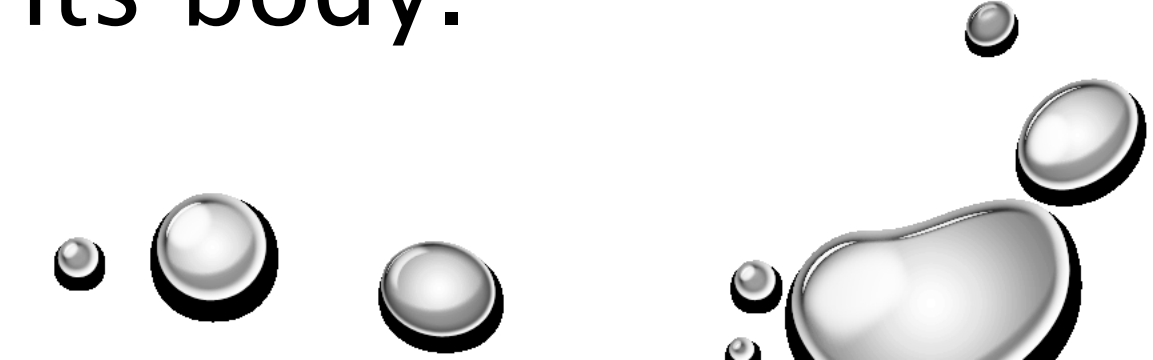
The page is decorated with several realistic, 3D-rendered bubbles of various sizes. Some are clustered in the top-left corner, while others are scattered across the right side and bottom of the page. The bubbles have a metallic or glass-like sheen with highlights and shadows.

USE YOUR OWN WORDS TO WRITE WHAT THE SCIENTIST CLAIMS. USE MORE REPORTING VERBS TO PARAPHRASE THE WHOLE MESSAGE:

Ross Anderson adds: „For the vast majority of Earth's history, life has not possessed hard shells or skeletons. This means that if we want to look for fossil evidence of life on other planets like Mars, the chances are we probably need to find fossils of entirely soft organisms, and Burgess Shale–type fossilisation provides a way. Nasa's Curiosity rover has the ability to record mineralogy on the Martian surface, so it could potentially look for the types of rocks which might be



WHICH SENTENCE IS MORE LOGICAL? WHY?

- The fossil was discovered to **incubate** eggs inside its body.
 - The fossil was discovered to **have incubated** eggs inside its body.
- 

SOURCES

- <https://www.youtube.com/watch?v=uobt4k2auey>
- <https://www.sciencedaily.com/releases/2018/02/180216084915.htm>
- <http://dinopedia.wikia.com/wiki/waptia>

HOMework

- Learn the vocabulary.
- Learn the grammar, e. g. here: <https://www.perfect-english-grammar.com/reported-speech.html>, (we couldn't cover everything but there are plenty of websites to practise, e. g. <https://www.flo-joe.co.uk/fce/students/strategy/transfrm/rspeech.htm>)