





Progressive Achievement Tests in Science

Sample Questions

2. Caterpillar: Very easy – Year 3 students


3 A caterpillar becomes






a butterfly

A




a grasshopper

B



an ant

C



a fly

D

3. Dichotomous key: Students in Years 4/5

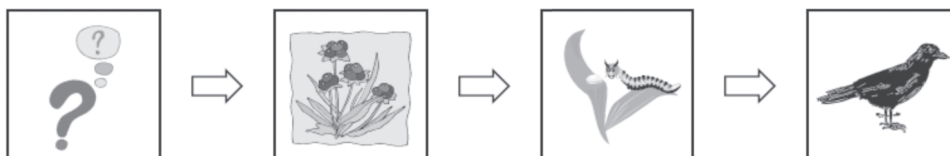
Class 7J	Blonde hair	Male	Tall	Bill
			Short	Ranjit
		Female	Tall	Florenda
			Short	Elaine
	Brown hair	Male	Tall	Farid
			Short	Peter
		Female	Tall	Fatima
			Short	Liz

29 In class 7J the short girl with blonde hair is

A Florenda.
B Fatima.
C Elaine.
D Liz.

4. Food chain: Year 6 students

A food chain is a simple way of showing a food relationship between organisms.

20**What is missing in this food chain?**

- A The Sun
- B A chicken
- C Seeds
- D A cat

5. Coastal rock strata: Year 8 students



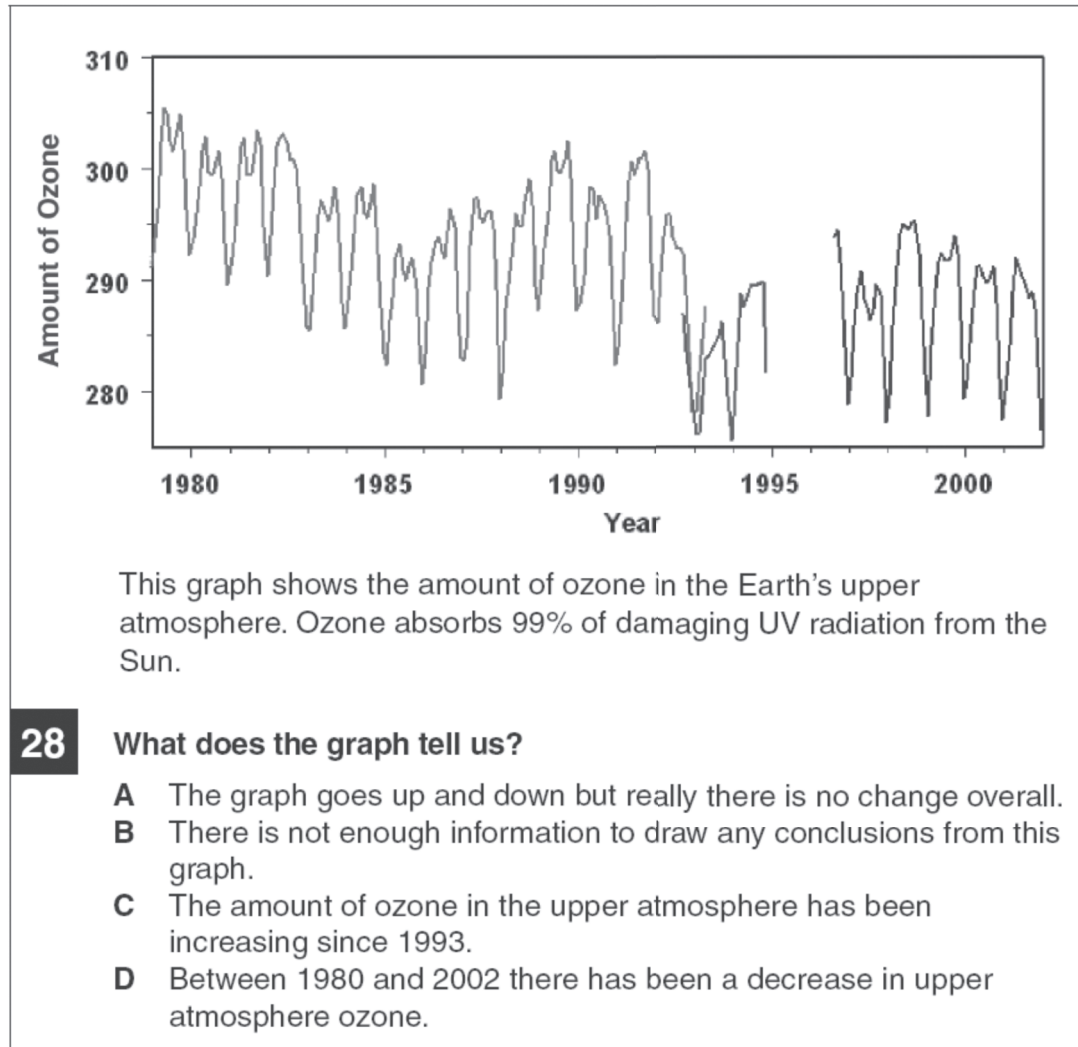
Coastal rock stacks

These are giant rock stacks just off shore. Geologists say that they are the remnants of limestone cliffs that have eroded over 10 million years ago.

9**The geologists are making**

- A a generalisation.
- B a guess.
- C an inference.
- D an observation.

6. Ozone: Students in Years 8/9



7. Food labels: Year 9 students – difficult

The wheat germ in a shop is in a sealed plastic container.
The oxygen absorber is in a small packet inside.

**11** Oxygen changes wheat germ by

- A breaking it up.
- B mixing with it.
- C soaking up water.
- D reacting with it.

12 To keep the food fresh, the packaging system must

- A keep oxygen outside the small packet.
- B keep oxygen inside the container.
- C remove all oxygen before the container is sealed.
- D allow oxygen to move into the small packet.

8. Rusting iron: Year 10 students

Gerry investigated the rusting of an iron nail. He placed an iron nail in each of four test tubes as follows.

Test tube 1: iron nail only

Test tube 2: iron nail and tap water

Test tube 3: iron nail and salt water

Test tube 4: iron nail in recently boiled water with a thin layer of oil added
[Note: boiling water removes dissolved oxygen]

After ten days he makes the following observations:

Test tube	No rust	Some rust	A lot of rust
1	✓		
2		✓	
3			✓
4	✓		

19 What substances are needed for iron to rust?

- A Oxygen and water
- B Salt and oxygen
- C Water and salt
- D Oxygen, water and salt