



Explorer

To find the answers, go to the section identified. The icons and panel titles are clues to guide you!

Look for 6 cylindrical cases in the introductory section at the entrance of the Exhibit. In them you will find many engaging and unusual statements.

1. Write down your favourite ones.

Scientists practising their Scales

Look for the DNA double helix

2. DNA is made of four bases, the notes of “the music of life”. Find the names of the bases and write down the colours that match them in the photo.



At the Heart of Life!

Proteins

3. Proteins are chains of amino acids.

Find the protein name on the panel which:

- protects against some cancers _____
- forms our nails and our hair _____
- helps the red blood cells carry oxygen _____



Some 23,000 Genes and a Conscience

My Thale Cress, My Bacteria and Me!

4. What percentage of your genes do you share with the E.coli bacterium? What is it used for in medical research?



Genes and the Environment

5. Differences found among people are due to genes and the environment; however, in some cases genes have a greater influence. Find examples of cases where genes have a greater influence.



New on the Charts!

Discover Stem Cells!

6. Stem cells are embryonic (totipotent or pluripotent) or adult cells (multipotent). These cells "...have not yet made a career choice". What are some uses of stem cells in medicine?



GMO Productions

The Science Behind GMOs

7. Describe a process through which a goat can produce human proteins in its milk.



DNA Detectives

Research Methods

8. There are many methods used to identify species. Look at the illustration representing the investigation method used to disclose the genetic profile of three plants. Are all three plants identical and from the same species?
