

Read the notes below

What area / areas of modern biology would you like to choose?



Modern biology is an enormous subject that has many branches. Specialists in some branches include:

- \_\_\_\_\_ who work at the chemical level, with the aim of revealing how DNA, proteins, and other molecules are involved in biological processes;
- \_\_\_\_\_ who study genes and their involvement in inheritance and development;
- \_\_\_\_\_ who study individual cells or groups of cells, often by culturing them outside organisms; they investigate how cells interact with each other and their environment;
- \_\_\_\_\_ who find out how organ systems work in a healthy body;

- \_\_\_\_\_ who study diseased and dysfunctional organs;

- \_\_\_\_\_ who study interactions between organisms and their environment. Some focus their attention on whole organisms; others study populations, individuals of the same species living together at one location.

There are also biologists who specialize in particular groups of organisms; for example, \_\_\_\_\_ study bacteria, \_\_\_\_\_ study plants, and \_\_\_\_\_ study animals.

Biologists are employed in many fields including conservation and wildlife management, industry, health care, horticulture, agriculture, zoos, museums, information science, and marine and freshwater biology. In addition, many biologists are employed as teachers, lecturers, or research workers.

