



Biological Diversity



Unit Review

[Go over the **Unit Summary: on p. 80**, as you review this unit]

1.0 Biological Diversity is reflected in the variety of life on Earth

Describe the variety of biological **species** on the Earth.

What is **Biological Diversity**?

What are the **three main components** of biological diversity?

What is **variation**?

What is **co-habitation**?

Describe the different types of **interdependencies** between and among species.

What are **niches**?

What is **natural selection**?

2.0 *As species reproduce, characteristics are passed from parents to offspring*

What are **heritable traits**?

What is the difference between **continuous** and **discrete variations**?

How does the **environment** affect variation?

What is **asexual reproduction**?

What is **sexual reproduction**?

Describe the **process of sexual reproduction**.

How do the different types of reproduction affect variation?

3.0 *DNA is the inherited material responsible for variation*

What carries the **genetic information** that is passed on from parent to offspring?

What is **DNA** and **genetic code**?

What are **genes**?

How are **chromosomes** arranged?

Describe the process of **mitosis** in asexual reproduction.

Describe the process of **meiosis** in sexual reproduction.

Describe the difference between **dominant** and **recessive traits**?

What other factors affect **inheritance of traits**?

4.0 *Human activity affects biological diversity*

What is **extinction**?

What is **extirpation**?

What are **extinction and extirpation** caused by?

What is **artificial selection**?

Describe the **technologies** that affect biological diversity.

What **biological conservation strategies** are being used to preserve diversity?
