## **WHEN Mutations Occur**

When do <u>acquired</u> mutations occur?

Where are <u>acquired</u> mutations found?

Can <u>acquired</u> mutations be passed on?

When do <u>hereditary</u> mutations occur?

Where are <u>hereditary</u> mutations found?

Can <u>hereditary</u> mutations be passed on?

## **WHY Mutations Occur**

How can <u>polymerase</u> and <u>DNA</u> <u>duplication</u> affect mutations?

What are <u>mutagens</u> and how do they affect mutations?

How can <u>crossing over</u> relate to mutations?

Which kinds of mutations can result from crossing over errors?

## WHAT Kinds of Mutations Occur

What do you need to know about <a href="mailto:substitution"><u>substitution</u></a> mutations?

What do you need to know about frameshift mutations?