

## Genetics

### Worksheet 2

#### LISTENING - GAP FILLING EXERCISE

Adapted from: <https://www.youtube.com/watch?v=5MQdXjRPHmQ>

#### What is a gene?

1. Each one of our cells contains 46 ..... of DNA
2. A gene ..... information for a cell to read but what exactly does the information do?
3. Genes make proteins. Those proteins then ..... with each other
4. A single strand of DNA contains a thousand of genes or .....protein recipes
5. Some genes are small, only about 300 .....long, others are well over a million.
6. Hemoglobin for example is a protein ..... found in red blood cells.
7. Pepsin is a digestive protein. Its unique shape .....it to break down food inside your stomach so it can be absorbed by the body.
8. Different creatures have different genes which is ..... why their bodies look and function differently.
9. The basic DNA code, the .....of As, Cs, Ts and Gs is pretty much the same for all living things.
10. You might not be too .....to learn that humans and chimps (which are closely related) share 96 % of their genetic code.
11. Engineers have mixed and ..... the genes of different organisms to produce many new creatures.