

**Pick the best answer. Please don't collaborate.**

- 1) What is a bacterium?
  - ☐ A single celled organism.
  - ☐ A multi cellular organism.
  - ☐ A yeast cell.
  - ☐ A type of virus.
  
- 2) What is DNA?
  - ☐ A substance coding for the typical behavior of an organism.
  - ☐ A substance coding for the appearance of an organism.
  - ☐ A substance containing the genetic information of an organism.
  - ☐ A substance coding for the typical behavior and appearance of an organism.
  
- 3) Where is the DNA in a human?
  - ☐ Only in the brains.
  - ☐ Only in the bone marrow.
  - ☐ In all living cells.
  - ☐ In all living cells except red blood cells.
  
- 4) Where is the DNA in a bacterium?
  - ☐ Floating freely in the cytoplasm (watery substance in the cell)
  - ☐ Attached to the cell membrane.
  - ☐ Neatly packed in the center of the cell.
  - ☐ A bacterium has no DNA.
  
- 5) What is a plasmid?
  - ☐ A circular piece of DNA.
  - ☐ A type of protein.
  - ☐ A type of bacterium.
  - ☐ A type of antibiotics.
  
- 6) What is changed by genetic modification?
  - ☐ The genetic code.
  - ☐ The appearance.
  - ☐ The way DNA is stored.
  - ☐ The way the genetic code is read.
  
- 7) What is an amino acid?
  - ☐ An acid produced by muscles.
  - ☐ The energy source of the cell.
  - ☐ A building brick for proteins.
  - ☐ A building brick for DNA.

8) What is a protein?

- A molecule that can perform a task like a small machine.
- A nutrient made by the food industry.
- A molecule that is secreted as waste.
- A molecule only produced by chickens.

9) What is translation?

- The process whereby DNA is read and transcribed on a messenger molecule.
- The process whereby cells exchange DNA.
- The process whereby DNA is multiplied.
- The process whereby a protein is built.

10) What is transcription?

- The process whereby DNA is read and transcribed on a messenger molecule.
- The process whereby cells exchange DNA.
- The process whereby DNA is multiplied.
- The process whereby a protein is built.