



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

### Match each of the following terms to its definition:

Double helix

Gene

Endoplasmic reticulum

Cytoplasm

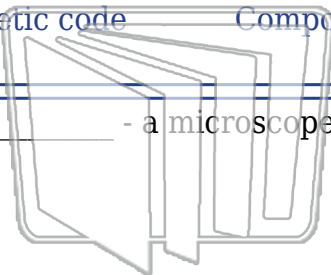
Genetic code

Compound microscope

DNA

Cytokinesis

1. \_\_\_\_\_ - a microscope that contains more than one lens



2. \_\_\_\_\_ - division of the cytoplasm following mitosis resulting into two identical copies of the original cell called daughter cells

3. \_\_\_\_\_ organelle

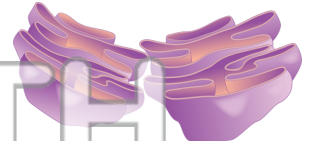
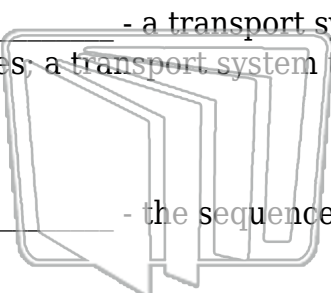


4. \_\_\_\_\_

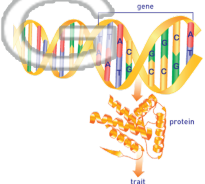
5. \_\_\_\_\_

**PREVIEW**  
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6. \_\_\_\_\_ - a transport system of tubes and channels connecting cell organelles; a transport system that moves different materials around the cell



7. \_\_\_\_\_ - the sequence of DNA that codes for a specific trait



8. \_\_\_\_\_ - the correspondence between RNA triplets and specific amino acids that are used to form a particular protein

**The Genetic Code**

	U	C	A	G
U	Phenylalanine Phe	Serine Ser	Tyrosine Tyr	Cysteine Cys
C	Leucine Leu	Proline Pro	Histidine His	Arginine Arg
A	Isoleucine Ile	Threonine Thr	Asparagine Asn	Serine Ser
G	Valine Val	Alanine Ala	Aspartic acid Asp	Glycine Gly



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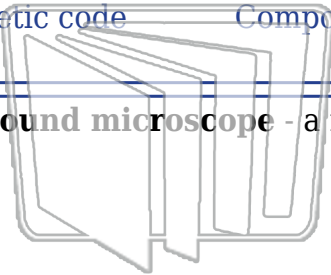
Genetic code

Compound microscope

DNA

Cytokinesis

1. **compound microscope** - a microscope that contains more than one lens



2. **cytokinesis** - division of the cytoplasm following mitosis resulting into two identical copies of the original cell called daughter cells

3. **cytoplasmic organelle**



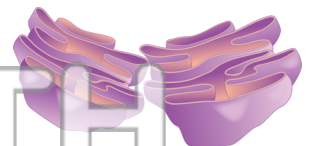
4. **DNA**

5. **double helix**

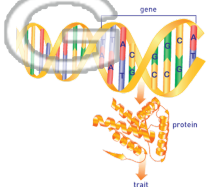
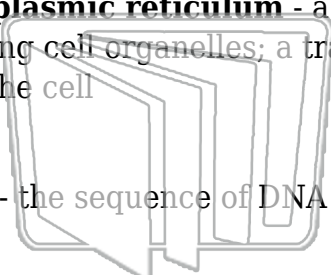
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**The Genetic Code**

	U	C	A	G
U	Phenylalanine Tyrine Serine Leucine	Proline Tryptophan Serine Stop	Tyrosine Tryptophan Stop	Leucine Cysteine Stop
C	Leucine Leucine Proline Leucine	Proline Proline Histidine Glutamine	Arginine Histidine Arginine Arginine	U C A G
A	Isoleucine Isoleucine Threonine Methionine	Threonine Threonine Lysine Threonine	Asparagine Asparagine Lysine Lysine	Serine Serine Arginine Arginine
G	Valine Valine Valine Valine	Alanine Alanine Alanine Alanine	Aspartic acid Aspartic acid Glutamic acid Glutamic acid	U C A G