

Midterm

JEOPARDY



Diffusion &  
Osmosis

Cells &  
Organelles

Taxonomy &  
Classifying

Macromolec  
ules

Photosyn. &  
Cell Respir.

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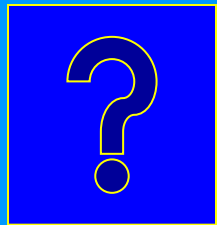
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# Diffusion & Osmosis for \$100

**The movement of solute from high concentration to low concentration.**

# Diffusion & Osmosis for \$100

# What is diffusion?



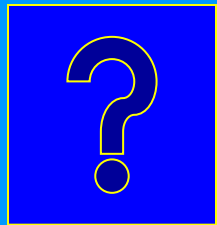
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Game**

# Diffusion & Osmosis for \$200

**The movement of  
water across a  
membrane.**

# Diffusion & Osmosis for \$200

**What is  
Osmosis?**



**Back to  
Game**

# Diffusion & Osmosis for \$300

**A difference in  
concentration of  
solute.**

# Diffusion & Osmosis for \$300

**What is a  
concentration  
gradient?**



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Game**

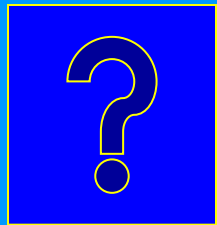


# Diffusion & Osmosis for \$400

**A type of solution  
that will cause a cell  
to expand or swell  
up.**

# Diffusion & Osmosis for \$400

**What is  
hypotonic?**



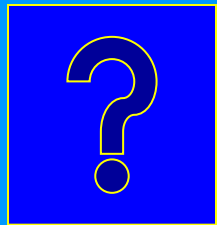
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Game**

# Diffusion & Osmosis for \$500

**Describes the  
membrane of cells  
in your body.**

# Diffusion & Osmosis for \$500

**What is semi or  
selectively  
permeable?**



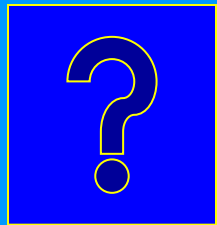
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Game**

# Cells & Organelles for \$100

**The main  
component of the  
cell membrane.**

# Cells & Organelles for \$100

**What are  
phospholipids?**



**Back to  
Game**

# Cells & Organelles for \$200

**The control  
center of the cell.**

# Cells & Organelles for \$200

**The control  
center of the  
cell.**



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Game**



# Cells & Organelles for \$300

**The place where  
proteins are made.**

# Cells & Organelles for \$300

**What is a  
ribosome?**



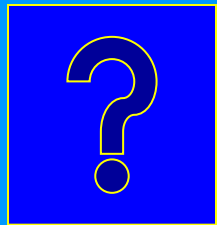
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Game**

# Cells & Organelles for \$400

**The organelle  
responsible for  
packaging  
things to leave  
the cell.**

# Cells & Organelles for \$400

**What is the golgi  
body / complex /  
apparatus?**



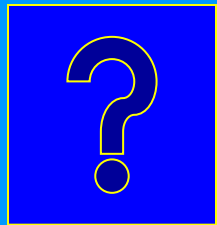
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Game**

# Cells & Organelles for \$500

**The two parts /  
organelles found  
only in plant  
cells.**

# Cells & Organelles for \$500

**What are  
chloroplast  
and cell  
wall?**



**Back to  
Game**

# Taxonomy & Classifying for \$100

**The type of cell  
that bacteria are  
because they  
have no nucleus**

# Taxonomy & Classifying for \$100

**What are  
prokaryotes?**



**Back to  
Game**



DAY



DOUBLE

Taxonomy & Classifying for \$200

**DAYDOUBLE**

**The scientific  
name for  
humans.**

# Taxonomy & Classifying for \$200

What is Homo  
sapiens or  
*Homo sapiens*?



**Back to  
Game**

# Taxonomy & Classifying for \$300

**Cell organization  
from simplest to  
most complex.**

# Taxonomy & Classifying for \$300

**What is cells,  
tissue, organs,  
organ systems,  
organism?**



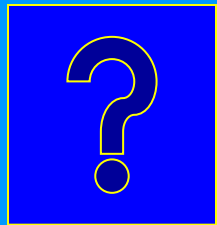
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Game**

# Taxonomy & Classifying for \$400

**When an organism  
has more than one  
cell.**

# Taxonomy & Classifying for \$400

**What is  
multicellular?**



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Game**

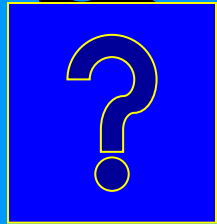
# Taxonomy & Classifying for \$500

**The six kingdoms of  
living things.**



# Taxonomy & Classifying for \$500

**What are  
Eubacteria, Fungi  
Archebacteria,  
Protista, Plantae, &  
Anamalia?**



**Back to  
Game**

Macromolecules for \$100

**The monomer of  
carbohydrates.**

# Macromolecules for \$100

**What are simple  
sugars or  
monosaccharides?**



**Back to  
Game**

Macromolecules for \$200

**The monomer of  
proteins.**

Macromolecules for \$200

**What are amino  
acids?**



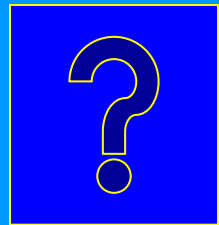
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Game**

# Macromolecules for \$300

**The chemical  
difference in the  
makeup of  
saturated and  
unsaturated fats.**

Macromolecules for \$300

**What are double  
bonds or  
number of  
hydrogens?**



**Back to  
Game**

Macromolecules for \$400

**Two examples of  
nucleic acids.**



# Macromolecules for \$400

**What are DNA &  
RNA &/or ATP**



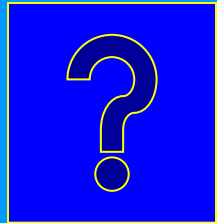
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Game**

# Macromolecules for \$500

**The Macromolecule  
that Enzymes are  
made of.**

# Macromolecules for \$500

## What is Protein?



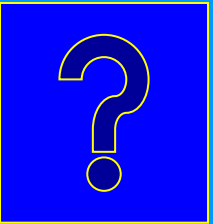
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# Photosyn. & Cell Respir. for \$100

**The organelle  
where  
photosynthesis  
takes place.**

# Photosyn. & Cell Respir. for \$100

**What is the  
chloroplast?**



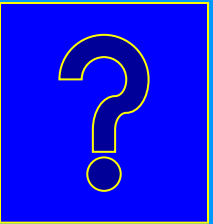
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Game**

# Photosyn. & Cell Respir. for \$200

**The place where  
oxidative  
respiration occurs.**

# Photosyn. & Cell Respir. for \$200

**What is the  
mitochondria?**



**Back to  
Game**

Photosyn. & Cell Respir. for \$300

**The full  
balanced  
reaction for  
cell  
respiration.**



# Photosyn. & Cell Respir. for \$300

What is  $C_6H_{12}O_6$   
+  $6O_2 \rightarrow 6CO_2$  +  
 $6H_2O$  + 36ish  
ATP?



Back to  
Game

# Photosyn. & Cell Respir. for \$400

**The location  
where  
glycolysis and  
fermentation  
occur.**

# Photosyn. & Cell Respir. for \$400

**What is the  
cytoplasm?**



**Back to  
Game**

# Photosyn. & Cell Respir. for \$500

**The reason why  
photosynthesis  
and cell  
respiration form  
a cycle.**

# Photosyn. & Cell Respir. for \$500

**What is the  
products of one  
are the reactants  
of the other?**



**Back to  
Game**

# Double JEOPARDY



**Science  
Nerds**

**Details  
Details**

**Teenage  
Mutant Ninja  
Genes**

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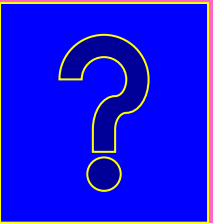
# Science Nerds for \$200

**The name of the structure of the cell membrane.**



# Science Nerds for \$200

**What is a lipid bilayer?**



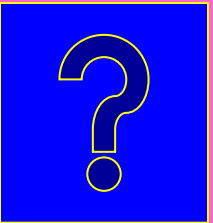
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Game**

Science Nerds for \$400

**Describes the  
“head” of a  
phospholipid.**

# Science Nerds for \$400

## What is polar?



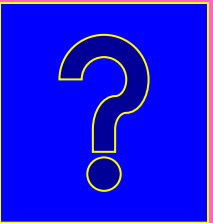
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Game**

## Science Nerds for \$600

**A form of active transport that takes in liquids of small particles.**

# Science Nerds for \$600

**What is  
pinocytosis?**



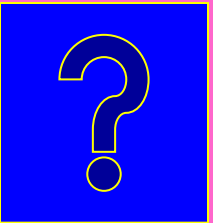
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Game**

# Science Nerds for \$800

**The cell structure  
found only in  
animals.**

# Science Nerds for \$800

**What is the  
centriole**



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Game**

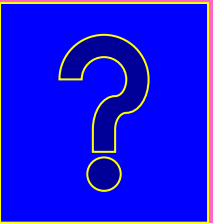
# Science Nerds for \$1000

**This organelle  
tends to be larger  
in plants than  
animals.**



# Science Nerds for \$1000

**What is a  
vacuole?**



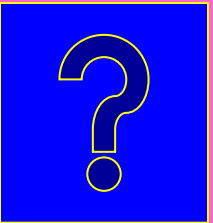
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## Details Details for \$200

**What you should  
transfuse  
yourself with on a  
deserted island.**

Details Details for \$200

**What is  
coconut milk?**



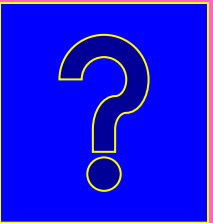
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Game**

## Details Details for \$200

**The largest type  
of cell we know  
of today.**

Details Details for \$400

**What is an  
ostrich egg?**



**Back to  
Game**

Details Details for \$600

**The smallest type  
of cell.**

Details Details for \$600

**What is a  
bacteria?**



**Back to  
Game**

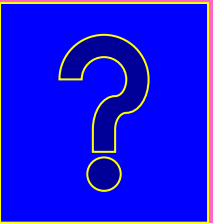
Details Details for \$800

**The branching  
molecule on the end  
of a marker protein  
is this  
macromolecule.**



Details Details for \$800

**What is a  
carbohydrate?**



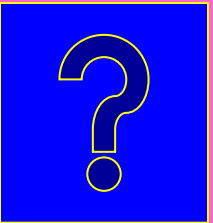
**Back to  
Game**

# Details Details for \$1000

**The two types of  
membrane proteins  
that can change  
shape.**

Details Details for \$1000

**What are  
receptor and  
pump?**



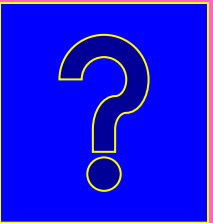
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Game**

Teenage Mutant Ninja Genes for  
\$200

**A change in the  
sequence of  
bases in DNA.**

Teenage Mutant Ninja Genes for  
\$200

**What is a  
mutation?**



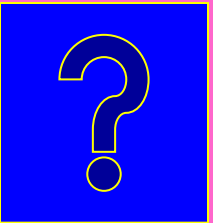
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Game**

Teenage Mutant Ninja Genes for  
\$400

**A mutation that  
adds 1 or more  
bases to the DNA  
sequence.**

Teenage Mutant Ninja Genes for  
\$400

**What is  
addition?**



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Game**

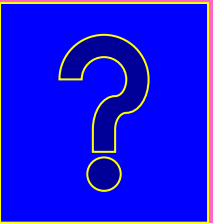
# Teenage Mutant Ninja Genes for \$600

**A mutation that  
removes 1 or more  
bases from the  
DNA sequence**



# Teenage Mutant Ninja Genes for \$600

**What is  
deletion?**



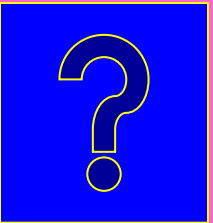
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Teenage Mutant Ninja Genes for  
\$800

**A mutation that  
flips 2 or more  
bases in the DNA  
sequence.**

# Teenage Mutant Ninja Genes for \$800

**What is  
inversion?**



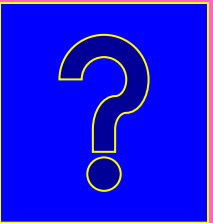
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Game**

Teenage Mutant Ninja Genes! for  
\$1000

**A mutation that  
moves 2 or more  
bases to a  
different spot on  
the chromosome.**

Teenage Mutant Ninja Genes! for  
\$1000

**What is  
translocation?**



**Back to  
Game**