



**THIS**

**IS**

**Jeopardy**

**With Your**

**Host...**

**Ms. Seliga**



# Jeopardy!



**Digestion**

**Nutrition**

**Life Cycles**

**Reproduction**

**Respiration vs.  
Photosynthesis**

**Genetics**

**100**

**100**

**100**

**100**

**100**

**100**

**200**

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In humans, digestion begins  
in what organ?

Mouth

Successive waves of muscle contraction in the digestive tract is called...

# Peristalsis



Absorption of water in  
humans occurs in what  
organ?

# Large Intestine

Absorption of nutrients in  
humans occurs in what  
organ?

# Small Intestine

What organ secretes enzymes  
into the small intestine?

# Pancreas

Carbohydrates breakdown  
into...

Sugar (glucose)



Proteins break down into...

# Amino Acids

What nutrient in food are our  
main source of energy?

Carbohydrates or fat

The energy in food is  
measured in...

# Calories

What vitamin is important for  
your immune system  
(prevents you from getting  
sick)?

# Vitamin C



In the food web, which kind of organisms can convert light energy into sugars?

# Producers

In the carbon cycle, which organisms utilize oxygen and generate carbon dioxide?

# Consumers

What form of energy is  
passed along from each  
trophic level in a food web?

# Chemical Energy

# DAILY

Place A Wager

# DOUBLE

The recycling of materials in  
the food web is completed  
by...



# Decomposers

The biotic component of an  
ecosystem is...

Living organisms (a  
community)

What are the gametes?

# Sperm and ovum

A human child's sex is  
normally determined by...

Sperm (the father's gamete)

What process is the same as  
asexual reproduction?



# Mitosis

What process results in  
haploid daughter cells?

# Meiosis

During meiosis, a parent cell  
that has 20 total  
chromosomes will produce  
how many cells and each will  
have how many  
chromosomes?

4 cells; 10 chromosomes

What process is responsible  
for converting unusable  
energy into usable energy?

# Cellular Respiration

In what cells of the body  
would you expect to find the  
most mitochondria?



# Muscle cells

Which molecule is most quickly available for energy for all animal activities?

ATP

The following formula is for  
what process:



# Photosynthesis

In the Calvin Cycle, what molecule is needed to make sugars in plants?

# Carbon dioxide

The set of alleles carried for a trait is called...



# Genotype

If a couple had 5 children and all were boys, what is the probability that if they have another child it will be a girl?

$$1/2$$

If an individual has 2  
identical alleles, that  
individual is...

Homozygous

What type of trait is one that occurs on the X chromosome only?

Sex-linked

In rats, the mother is homozygous for brown eyes and the father is heterozygous. Brown eyes is dominant; blue eyes is recessive. What % of the offspring could have blue eyes?



0%

The Final Jeopardy Category is:

Genetics

Please record your wager.

Click on screen to begin

In squirrels, the gene for gray fur (G) is dominant over the gene for black fur (g). If 50% of squirrels are gray, the genotypes of the parents are most likely...

Click on screen to continue

$Gg \times gg$

Click on screen to continue

Thank You for Playing Jeopardy!

Game Designed By C. Harr-MAIT