

<p>Together you and your partner have one minute to answer the following question:</p> <p>What is Garrod's Hypothesis?</p> <p style="text-align: right;">One gene, one enzyme</p>	<p>You have one minute to draw the item below. Your partner must guess what you are drawing before time runs out.</p> <p style="text-align: center;">THE LAC OPERON</p>
<p>Together you and you partner have one minute to answer the following question:</p> <p>Name one of the codon sequences for the amino acid glycine.</p> <p style="text-align: right;">GGG, GGC, GGA, GGU</p>	<p>Together you and you partner have one minute to answer the following question:</p> <p>Define these types of mutations: substitution, deletion, and insertion.</p>
<p>Together you and you partner have one minute to unscramble the following word. Move an extra space if you can also provide the correct definition within the minute.</p> <p style="text-align: center;">CIBURIC CADONELI</p> <p style="text-align: right;">Ribonucleic Acid: The sugar found in RNA</p>	

One of you will read the word below aloud to your partner. After they know the word, they have one minute to spell it backwards. They cannot backtrack on their spelling.

TRANSCRIPTION

You have one minute to draw the item below with your eyes closed. Your partner must guess what you are drawing before time runs out.

SICKLE CELL ANEMIA

Together you and you partner have one minute to answer the following question:

Name the three stop codons.

UAA, UAG, UGA

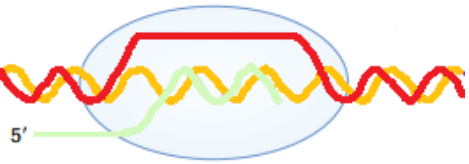
Together you and you partner have one minute to answer the following question:

Describe the process of ELONGATION.

mRNA synthesized using DNA template strand. Is synthesized in 5' to 3' direction. Uracil complements adenine.

Together you and you partner have one minute to answer the following question:

Which is the template strand?



Orange

Together you and you partner have one minute to answer the following question:

Why do we use RNA?

The Central Dogma: SO DNA doesn't leave the nucleus

Together you and you partner have one minute to answer the following question:

Uracil replaces which nitrogenous base in RNA?

Thymine

Together you and you partner have one minute to answer the following question:

What is the difference between a nonsense and a missense mutation?

Missense: wrong amino acid
Nonsense: change to a stop codon

<p>Together you and you partner have one minute to unscramble the following word. Move an extra space if you can also provide the correct definition within the minute.</p> <p style="text-align: center;">UTTOMIA</p> <p style="text-align: right;">Mutation</p>	<p>One of you will read the following word to your partner. They have one minute to provide the definition.</p> <p style="text-align: center;">SILENT MUTATION</p> <p style="text-align: right;">A mutation that does not cause any phenotypic change.</p>
<p>You have one minute to draw the item below. Your partner must guess what you are drawing before time runs out.</p> <p style="text-align: center;">Transcriptional RNA (tRNA)</p>	<p>Together you and you partner have one minute to answer the following question:</p> <p>What is the almost universal start codon? Provide its code.</p> <p style="text-align: right;">Methionine; AUG</p>
<p>Together you and you partner have one minute to answer the following question:</p> <p style="text-align: center;">List the stages of TRANSCRIPTION</p> <p style="text-align: right;">Initiation; Elongation; Termination</p>	<p>One of you will read the following question to your partner. They have one minute to provide the answer.</p> <p style="text-align: center;">What does RNA stand for?</p> <p style="text-align: right;">Ribonucleic Acid</p>
<p>One of you will read the following question to your partner. They have one minute to provide the answer.</p> <p style="text-align: center;">How many bases make up a codon?</p> <p style="text-align: right;">Three</p>	