



## Formulas, Letters & Names - What Do They Represent?

Circle the correct answer to the following questions.  
(To be used with lyrics to RRR song "Photosynthesis")

### FORMULAS, LETTERS

1. The formula  $\text{CO}_2$  is the formula for:  
oxygen    water    carbon dioxide    salt
2. The combination of water, sun and  $\text{CO}_2$  makes:  
fructose    glucose    lactose    comatose
3. G3P, a chemical compound, is also a:  
protein    mineral    carbohydrate    sugar
4. Light, water, air and space combine to produce:  
MTV    G3P    ATP     $\text{CO}_2$
5. In addition to ATP, another product produced in the 'light reaction' is:  
 $\text{CO}_2$      $\text{H}_2\text{O}$     G3P    NADPH
6. The carbohydrate which is a product of Calvin cycle is:  
 $\text{H}_2\text{O}$     ATP    MTV    G3P

### NAMES

7. The 'light reaction' happens in the:  
thylakoid membrane    Calvin cycle    Chloroplast    G3P
8. Rubisco, refers to:  
a carbohydrate    a protein    a sugar    an enzyme
9. The 'dark reaction' is known as the:  
G3P    Calvin cycle    NADPH    chloroplast
10. In the set of reactions known as Carbon Fixation, a key component is:  
ATPelectrons    Rubisco enzyme    Calvin cycle