Semester 2 Stem #1

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| **Date** | **Stem****(Prefix or Suffix)** | **Meaning** | **Example Word(s)** | **Use it in a sentence!** |
| 1/30, 1/31 | Chlor- | Green | Chlorine, Chlorophyll | Chlorine gas can sometimes look green.  |
| 1/31, 2/1 | -phyll | Leaf | Chlorophyll, xanthophyll | Chlorophyll is the pigment that makes leaves green.  |
| 2/2 | Photo- | Light | Photosynthesis, photography | Photosynthesis is the process of creating food using sunlight.  |
| 2/5 | -synth- | Create, to put together  | Synthetic, photosynthesis | Synthetic fabrics are created using different types of materials.  |
| 2/6, 2/7 | -troph | Nourishment, to consume | Autotroph, heterotroph | Autotrophs create their own food using sunlight and unicorns.  |
| 2/7, 2/8 | -lys- | To burst, to loosen | Cytolysis, hydrolysis, photolysis, lysol | A cell bursting from too much liquid inside is called cytolysis.  |
| 2/9 | Cyto- | Cell | Cytoplasm, cytokinesis | All organelles are held in place by the jelly-like cytoplasm inside a cell.  |
| 2/12 | Semi- | Half, partly | Semi-sweet, semi-circle | Semi-sweet chocolate is delicious.  |
| 2/13,2/14 | Gluc-, glyc- | Sweet | Glucose, glycerol | Glucose is the molecule that gives us energy.  |
| 2/14, 2/15 | Aero- | Air, oxygen | Aerobic, aerodynamic | Aerobic cellular respiration requires oxygen to happen.  |
| 2/16 | A-, An- | Without, not | Abiotic, anaerobic | Anaerobic respiration is also known as fermentation.  |