

27. True or False? **Oils** are usually solid at room temperature, while fats are usually liquid. **False. Fats are usually solid and oils are usually liquid.**
28. How are proteins made? **By linking together smaller units called amino acids.**
29. True or False? Proteins are not sensitive to changes in their amino acids, so the amino acids can be changed in a protein without much effect, if any, to the organism or the way the protein works. **False. Proteins are sensitive to small changes in their amino acids, so much so that sometimes just changing one amino acid can make a protein or enzyme completely non-functional.**
30. Why is it said that the sun is the ultimate source of all biological energy on earth? **Without the sun, plants would not perform photosynthesis, so they would not make any glucose molecules. Without glucose molecules, neither producers nor consumers would have anything to use during cellular respiration. Without cellular respiration, no organisms would be able to make ATP, and without ATP, no chemical reactions would happen. Life would end on earth without the sun.**
31. True or False? Plants use the energy they reflect for photosynthesis. **False. Plants can only use the energy they absorb. Reflected light energy is lost light energy.**
32. True or False? Objects appear the color they are because of the light they reflect. **True.**