**IV. How Ecosystems Work**

34. The ultimate source of almost all \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

*Life Depends on the Sun*

35. Photosynthesis:

* Chemical Formula:
* Diagram:

*How do other organisms use energy?*

36. Cellular Respiration:

* Chemical Formula:
* Diagram:

*Energy Transfer in an Ecosystem*

37. Producer:

38. Consumer:

39. Types of Consumers

* Herbivore:
* Carnivore:
* Omnivore:
* Decomposer:

*Energy Transfer*

40. Each time one organism eats another, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

41. Food Chain:

42. Food Web:

43. Trophic Level:

* At each trophic level: