ESCAPE ROOM #1 – Vocabulary

DIRECTIONS: Use the context clues in the text to fill in the blanks using the words in the Word Box.

Abiotic	Bacteria	Biotic	Consumers	Decompose	Decreases	Ecosystem
Energy	Food chain	Herbivores	Insects	Nutrients	Photosynthesis	Primary
Producers	Quaternary	Secondary	Sun	Tertiary	Trophic	

An _____ includes nonliving _____ and living _____ materials in an area, such as water, soil, animals, rocks, and plants. It includes all of the plants, animals, and other living things that make up the community of life in an area.

_____ is transferred throughout the ecosystem. All plants and animals get energy from the _____. _____, or plants absorb the sun's energy, also called thermal energy, and make their own food through a process called _____.

_____, specifically animals that are _____ (which are animals that eat only producers), digest the plants to obtain their energy. This is called a _____ consumer, such as a mouse. _____ consumers (typically omnivores or carnivores), such as a snake, digest the primary consumer, transferring that energy. A hawk would be considered a _____ consumer, as it eats the snake that ate the mouse, that ate the plants. If another animal, such as a fox of eagle, eats the hawk, they would be a _____ consumer.

As energy moves up _____ levels in a _____, the energy amount _____ because energy is lost as metabolic heat. A food chain can usually sustain no more than six energy transfers before all the energy is used up.

When producers and consumers die, their materials _____, or break down. Decomposers are fungi, bacteria, and _____. This is the final link in the food chain. Decomposers return vital _____ to the soil. Some of these organisms can be seen, like fungi and insects, but much of the decomposition process is carried out by microscopic _____.

DIRECTIONS: Each highlighted letter corresponds to a number in the cipher below. Complete the mathematical puzzle. The order the words are in the text is the order of the code.

A	B	C	D	E	F	G	H	I	J	K	L	M
32	9	0	-2	-32	17	-10	50	78	13	78	5	2,000
N	**O**	**P**	**Q**	**R**	**S**	**T**	**U**	**V**	**W**	**X**	**Y**	**Z**
2	28	-83	11	3	25	63	-2	150	22	10	-55	1

A – O = _____

B x C = _____

V / H = _____

T + Y = _____

ESCAPE CODE:

LIVEWORKSHEETS