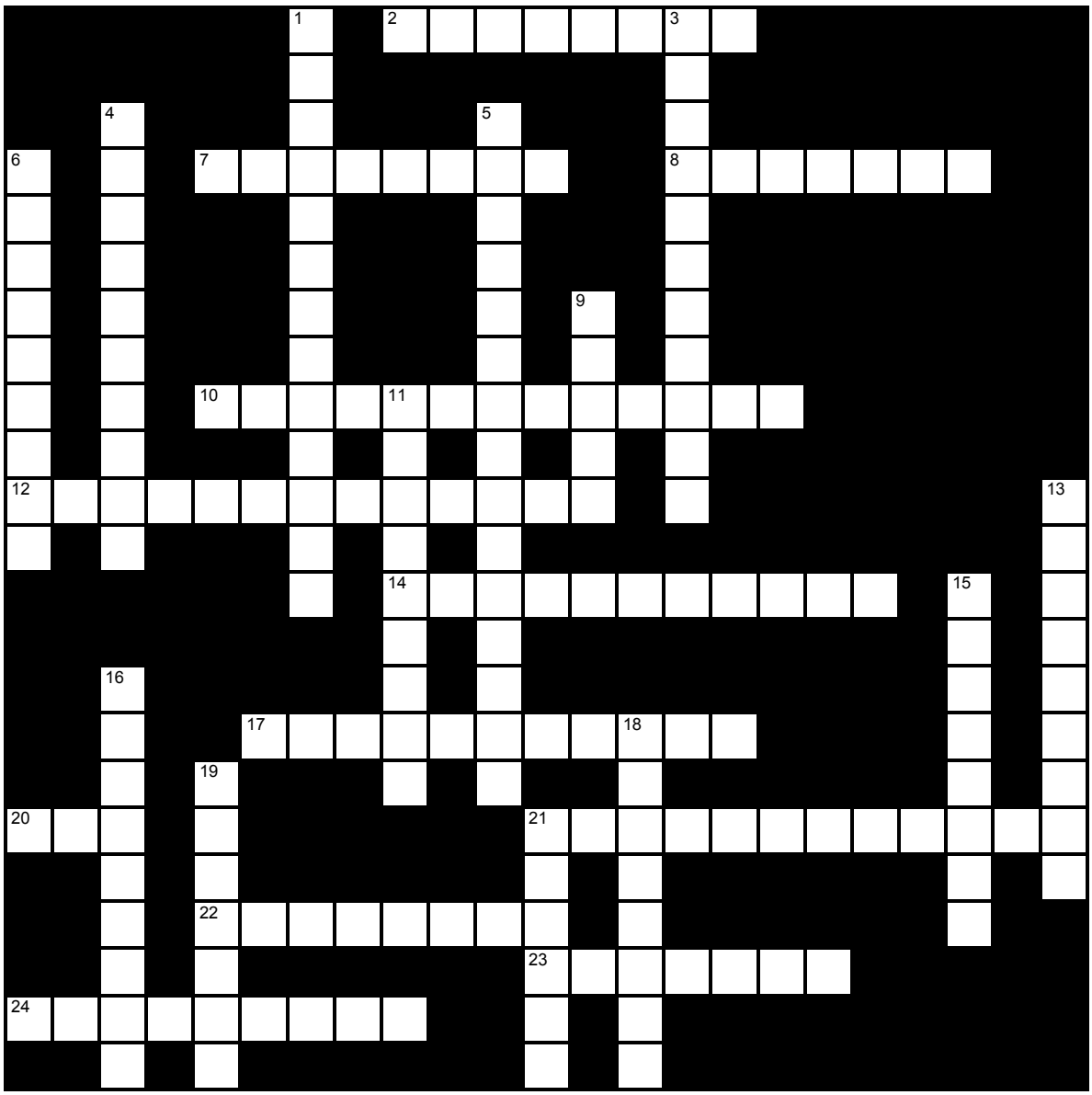
# ECOSYSTEMS

**Name:** _____

**Hour:** _____



**Across**

**2** A hawk, who ate a snake that ate a mouse, would be what type of consumer? (8)

**7** An organism which must obtain their energy from eating a producer or other heterotroph. (8)

**Down**

**1** Biological _____ illustrates how toxins can amplify their affects as they move through a food chain (13)

**3** Photosynthesis and _____ are the chemical processes that drive the Carbon Cycle (11)

**8** A diagram that displays how energy is transferred from one level to another higher level (7)

**10** The evaporation of water in plants through openings in their stomates (like pores) (13)

**12** The product of condensation; such as rain, sleet or snow (13)

**14** Occurs when water is converted from a liquis to a gaseous state (11)

**17** Term used to describe all organisms who must feed on other organisms to acquire energy (11)

**20** A food _____ is a visual map showing the network of interactions within a community and multiple food chains (3)

**21** When water is converted from a gaseous state to a liquid state (12)

**22** An organism which can create and store their own energy; usually from sunlight (8)

**23** The total organic mass at any given trophic level (7)

**24** Type of consumer that only feeds on meat (9)

**4** A heterotroph that breaks down dead plants and animals (10)

**5** The process where forms of nitrogen which are toxic to plants are converted into safe, usuable forms (15)

**6** Term used to describe all organisms that can produce their own food through photosynthesis or chemically (9)

**9** A food _____ illustrates how organisms consume one another to acquire energy (5)

**11** Type of consumer that feeds upon previously killed animals (9)

**13** Energy from the carbon cycle are stored in forms such as fossil fuels and _____. (9)

**15** Nitrogen _____ is the process where nitrogen is transformed from the atmosphere into a usuable form for plants to absorb (8)

**16** Type of consumer that only eats plants (9)

**18** Type of consumer that eats both plants and animals (8)

**19** A _____level illustrates how much energy is available for transfer to a higher level; usually 10% (7)

**21** When sugars are broken down for energy, they return to the atrmosphere as _____ dioxide (6)