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Flowers, Fruits, and Seeds

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| **Across**  **1.** Organism resulting from a cross between two different species of the same kind of plant or animal  **7.** Most conspicuous part of a flower  **8.** Husk of a wheat kernel  **9.** Collective term for a flower's petals  **11.** Transfer of pollen from an anther to stigma of a pistil  **16.** Slender, elongated part of a stamen  **17.** Shell-like fruit covering of a wheat kernel  **19.** Sweet-tasting, watery liquid produced by plants  **20.** Period of inactivity, which helps prevent seeds from sprouting when conditions are unfavorable for the growth of young plants  **22.** Ripened ovary of a flower  **25.** Process in which a sperm cell fuses with an egg cell to from a new organism  **27.** Plant reproductive structure, produced by the anther of the stamen, that contains the sperm cell  **28.** Form of reproduction in which genetic material is contributed by two parents through the union of sperm and egg | **Down**  **2.** Swollen base of a pistil; contains ovules  **3.** Elongated, vase-shaped structure of a flower that contains the female reproductive structures  **4.** Leaf like structure attached to the edge of a flower's receptacle  **5.** Flower cluster  **6.** Phenomenon in which a plant requires a definite period of light and darkness before it will flower  **10.** Part of a seed that provides nutrition to the growing embryo, such as the starchy part of a wheat kernel  **12.** A simple fruit consisting of a pod enclosing several seeds, which is characteristics of members of this family  **13.** Tip of the pistil, which receives pollen grains during pollination  **14.** Special leaf that looks like a flower petal  **15.** Agriculturist technician who specializes in growing flowers, fruits, vegetables, and shrubs  **18.** Pollen-producing organ with a flower  **21.** Process in which a seed sprouts  **23.** Enlarged pollen-producing structure at the tip of a stamen  **24.** Collective term for a flower's sepals  **26.** Stalk like portion of a pistil, which connects the ovary to the stigma |