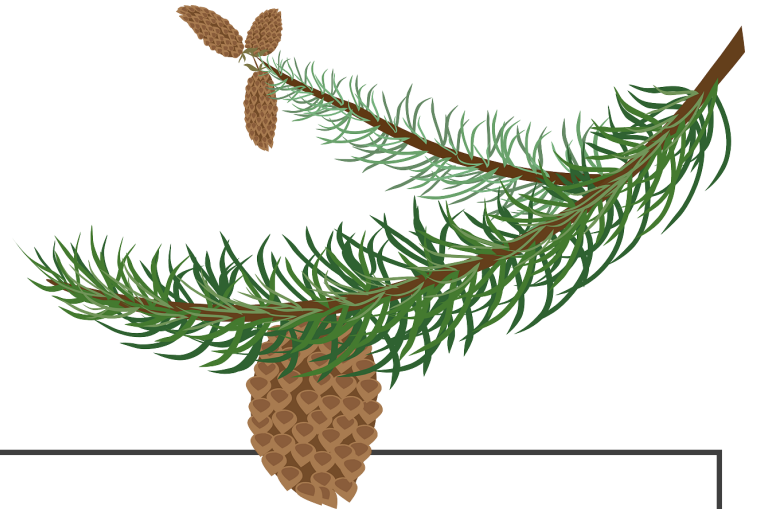


Phenophase Matching

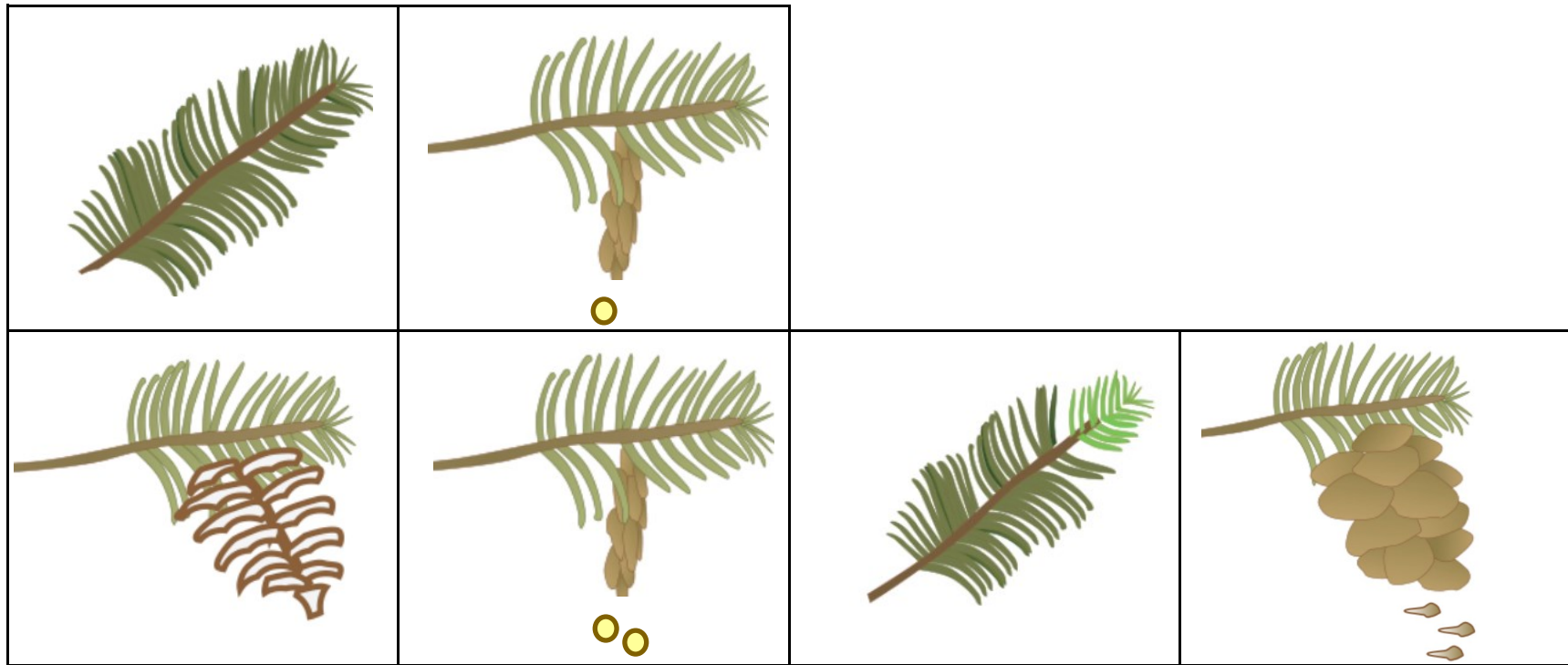


Directions:

Step 1: Cut out the plant images and text boxes on page 2.

Step 2: On page 3, put the images of plant life cycle events in the order you think they will appear throughout the year. (Early Spring (#1) to late Fall (# 8))

Step 3: Match the phenophase descriptions (text boxes) to the life cycle events by placing them below the image they describe.



First Cones: First seed cones becoming fully ripe or seeds dropping naturally from the plant.

No Needle Emergence: No new needles are emerging (In this case, the new needles have already matured!)

Early Pollen: Some pollen is falling (less than %5)

First Pollen: Plant starts releasing the powdery yellow pollen from cones (from male cones, which are usually small).

Late Cones: Most cones are open and seeds have been dispersed from the plant (over 95%)

First Needle Emergence: New needles emerge from tips of buds or are visible from the side of the buds.

1

2

3

4

5

6

Plant Group: