Draw an Ecosystem Scene: Habitat Zones and Species Placement

Topic reference / ordinary illustration



Ordinary topic reference. Hypothetical dimensions in the four tasks are supplied in their own text; this illustration is not their measured answer.

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Worked example / complete source key

A student proposes dividing a 20 cm tall by 15 cm wide frame into sky (6 cm), mid-level (8 cm), and ground (6 cm) bands, then places four species using the base-on-baseline convention: a bird on the left side and a second bird on the right side in the sky zone, a shrub on the left side in the mid-level zone, and a pond-edge plant on the right side in the ground zone. Check the band sum, species count, placement, and left/right balance.

Answer: Band sum: 6 + 8 + 6 = 20 cm, which matches the 20 cm frame height, so the bands pass the sum check. Species count: 2 sky + 1 mid-level + 1 ground = 4 species, which is within the required four-to-six range. Using the stated base-on-baseline convention, each species' base sits on the baseline of its assigned zone. Each zone has at least one species. For left/right balance, the left half contains the first bird and the shrub (2 species), and the right half contains the second bird and the pond-edge plant (2 species), so each half has at least one species. The layout passes the rubric.