

Name:

Date:

Class:

Structure/Function Worksheet **Answer Key**

Activity 1: Wind dispersal

Review videos, photos, diagrams, and text about a plant/animal that could inspire your airborne transport design. Fill out the table below. (Link to photos, videos, and text about each plant: <https://padlet.com/TuftsCEE0/wind-dispersal-z5g2eu1x37xq4p1b>.)

Plant or animal	Parts - What body parts or structures does it use to disperse through wind? (Use nouns.)	Properties - Describe each part. (Use adjectives.)	Actions - What does each body part do? (Use verbs.)
Anisoptera tree seeds	Two wings	Sphere-shaped, asymmetrical, and curved upward and downward	Spin to push on air
Dandelion seeds	Tube 100 bristles	Dry, open Long, thin Parachute shaped	Tube connects seed head to bristles; bristles fan out and push on air with large, combined surface area
Maple tree seeds	Two wings	Curved edges; connected along a long edge to surround the seed	Spin and swirl to push on air
Pine pollen grain	Air-filled sacs	Lightweight, spherical	Filling with air increases the surface area; surface pushes on air
Clematis seed heads	Tail with feathers	Long, feathery, smooth, shiny	Feathers on tail for a surface that can push on the air

Storyboard of wind dispersing movement - Break the movement into steps. If you need more space, use the back of this sheet.

Step 1	Step 2	Step 3
Answers will vary.	Answers will vary.	Answers will vary.

Explain what is going on in the steps above.

Answers will vary.

BROUGHT TO YOU BY