

Solutions

Each answer shows the steps, then the **result**.

2.1

- Stabilizing selection

2.2

- Directional selection

2.3

- It splits toward both extremes (two peaks)

3.1 C

- disruptive

3.2

(a)

- Directional

(b)

- Large-beaked birds survive and reproduce more, so average beak size increases over generations (the distribution shifts toward large)

3.3

- Stabilizing selection — the average birth weight is favored while both extremes are selected against, narrowing the distribution around the mean