Chapter 41 Glossary Terms

1. A hormone having tryptophan as a precursor – auxin

2. Chemicals produced in one part of an organism and transported to another part where they exert a response – hormones

3. Hormones that are derivatives of adenine – cytokinins

4. Precocious germination – vivipary

5. The light-receptive part of the phytochrome molecule – chromophore

6. The active form of the phytochrome – Pfr

7. After ubiquitination, the Pfr becomes tagged for degradation by the – proteasome

8. Indicate whether the effect of far-red light on seed germination is inhibition or stimulation – inhibition

9. The formation of long and slender shoot when plants are kept in the dark – etiolation

10. The blue light receptor in plants – phototropin 1

11. A rhythm of activity that approximates a 24-hour cycle – circadian rhythm

12. The response of a plant to the gravitational field of the earth – gravitropism

13. A permanent form change in response to mechanical stress – thigmomorphogenesis

14. Directional growth of a plant or plant part in response to contact – thigmotropism

15. A plant’s response to mechanical stimuli that occurs in the same direction independently of the direction of the stimulus - thigmonasty