

Name:

School:

Class:

Date:

Set 2 Answer Key: Seed Germination

Suggested answers / marking guidance. Accept equivalent scientific wording.

6. (a) appropriate temperature (b) water (c) germination **[3]**

7. The statement is not accurate because seeds need an appropriate or suitable temperature, not simply a hot temperature. Temperatures that are too low or too high may prevent germination or reduce germination. **[2]**

8. True; True; False; True. **[4]**

9. One group should be kept dry. Another group should be kept wet. If only the wet seeds germinate, this supports the conclusion that water is required for germination. **[3]**

10. (a) 20 °C. (b) No seeds germinated at 5 °C; the most seeds germinated at 20 °C; fewer seeds germinated at 35 °C than at 20 °C. (c) Seeds require an appropriate temperature to germinate; the highest temperature is not always the best temperature. **[4]**