

Solutions for ACT Science Practice Section

Passage 1

1. **B.** 30°C
2. **B.** 1.3 million
3. **B.** Be between 1.2 million and 3.5 million.
4. **B.** Bacteria grow best at moderate temperatures.

Passage 2

1. **B.** Fertilizer B
2. **B.** Increasing the concentration increases plant height.
3. **C.** Greater than 16 cm.
4. **A.** Experiment 1

Passage 3

1. **C.** Reduce CO₂ emissions.
2. **B.** CO₂ is not as significant as natural factors.
3. **B.** CO₂ contributes to global warming.
4. **A.** Scientist 1's viewpoint.

Passage 4

1. **C.** 7
2. **C.** It decreases.
3. **B.** Enzyme activity is highest at a neutral pH.
4. **B.** Between 10 and 30 units/min.

Passage 5

1. **C.** High
2. **B.** Green (550 nm)
3. **B.** Experiment 2
4. **B.** Between 10 cm and 22 cm.