Modified Answer Key to Assessment Experimental Design

**Fill in the blank:**

1. Observation
2. Hypothesis
3. Experiment
4. Independent Variable
5. Dependent Variable
6. Quantitative Data
7. Control Group
8. Conclusion
9. Hypothesis
10. Scientific Method

**Matching:**

1. B
2. E
3. A
4. C
5. D
6. F
7. J
8. G
9. I
10. H

**Multiple Choice:**

1. B
2. B
3. C
4. C
5. B
6. B
7. C
8. B
9. A
10. B

**Critical Thinking:**

1. IV: fertilizer DV: Tomato size
2. IV: Dog Population DV: Cat Population
3. IV: Extra Studying DV: Exam Grade
4. IV: Weight of the Pig DV: Number of piglets in the Litter
5. IV: not drinking soda DV: improved dental check-up
6. C
7. C
8. B
9. C
10. A

**Design an Experiment:**

1. B
2. B

1. a. 5

b. 2

c. 3

d. 6

e. 4

f. 1