

CHAPTER 13

Solutions to the Even-Numbered Questions in the Text

13.1

2. The liver is like a muscle.
4. No analogy.
6. This evening's meal at this restaurant is like the other meals at this restaurant.
8. Spade's latest movie is like the four movies of his that Sue watched.
10. Lorenzo is like a vacuum cleaner.
12. Reading Kepler's account of his discoveries is like watching a slow-motion film of the creative act.
14. Booing a pitcher is like giving the thumbs-down gesture in the Roman amphitheater.
16. The universe is like the skin of a balloon.

13.2

2. Sue concentrates like a laser.
4. The people swarmed like bees.
6. Her stare was as hard as nails.

13.3A

2. Analogy.
4. Instantiation.
6. Generalization.
8. Generalization.
10. Instantiation.

13.3B

2.
 1. This meal will be like the meals I had in the past.
 2. Those meals were good.

∴ Probably, this meal will be good.

4.
 1. This Smertz movie is like the other four Smertz movies.
 2. Sue disliked those movies.

∴ Probably, Sue will dislike this one.

6. 1. CEOs are like movie stars, rock stars, and sports stars.
2. We don't mind paying millions of dollars to those entertainers.
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- ∴ Probably, we shouldn't mind paying millions to CEOs.
8. 1. K-12 education is like consumer products, athletics, and higher education.
2. Consumer products, athletics, and higher education all benefit from competition.
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- ∴ Probably, K-12 education would benefit from competition.
10. 1. Scientific research is like prospecting for gold.
2. Prospecting for gold is uncertain.
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- ∴ Probably, scientific research is uncertain.
12. 1. Science is like history (in that both require practitioners to become highly specialized).
2. We still teach history.
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- ∴ Probably, we should teach science.
14. 1. A king is like a general or a trusted friend.
2. If a general or a trusted friend fails to live up to their responsibilities, we get rid of them.
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- ∴ Probably, if a king fails to live up to his responsibilities, he should be removed.

13.3C

2. Those who assault or murder intend to harm others, but someone smoking around you does not. Further, the harm to others from smoking is far less than from a knife or bullet wound.
4. Exercise helps muscles; booze hurts the liver.
6. Senators have no executive duties, whereas CEOs do.
8. Budgets in the billions are easier to shrink than budgets in the thousands.
10. A roll-on is applied directly to the skin, while an aerosol is sprayed from several inches away.
12. A President's policies directly impact employment, a Pope's do not.
14. At least in today's society, vastly more drivers will stare at the bare chest of a woman than at that of a man—which may cause many accidents.

13.3D

2. a. Weakens the argument because it introduces a relevant difference.
b. Strengthens the argument because it introduces relevant similarities.
c. Weakens the argument by introducing a relevant difference.

4.
 - a. Weakens the argument because it introduces a relevant difference.
 - b. Strengthens the argument because it introduces more variety among the analogs.
 - c. Weakens the argument because it introduces a relevant difference.

6.
 - a. Strengthens the argument because it introduces a relevant similarity.
 - b. Weakens the argument by introducing a relevant difference.
 - c. Weakens the argument by introducing a relevant difference.

13.4

2.

Positive analogy: People and animals share basic biological needs and drives.
 Negative analogy: People are more intelligent, and more capable of moral choice.
 Neutral analogy: Animals can't control their impulses; can people?

4.

Positive analogy: Hatred and poison can both be harmful.
 Negative analogy: Hatred doesn't physically harm people, though it can make people want to harm others.
 Neutral analogy: Poison has antidotes; does hatred?

6.

Positive analogy: Life and poker have winners and losers.
 Negative analogy: Poker is a game played for amusement, life isn't.
 Neutral analogy: Economic life may not be a zero-sum game (as is poker).

8.

Positive analogy: Business and war have winners and losers.
 Negative analogy: Business does not usually involve violence.
 Neutral analogy: Business may or may not require a "win-it-all" mentality.

10.

Positive analogy: College and prison both involve certain limitations of freedom.
 Negative analogy: Prisoners are required to be where they are, students are not.
 Neutral analogy: College and prison may both make people better.