

B

~A

1. [I say the legal drinking age is too high,] **seeing as** 18 year-olds can vote in elections and fight in wars, which require responsible and mature decisions. **Either** 18-year-olds aren't old enough to make responsible and mature decisions, **or** the drinking age is too high.

Question: Is the legal drinking age too high? Assuming: There is a legal drinking age in the arguer's state and it is currently above 18; Voting and fighting in wars are comparable kinds of mature issues to drinking **DS**

X = A

A

B

2. Curtis 454 is a Drexel classroom. **All** classrooms at Drexel are kept at ideal learning temperature year-round by precision, space-age thermostat technology developed in the University's own underground labs. **Hence,** [Curtis 454 is kept at ideal learning temperature year-round.]

Question: Is Curtis 454 kept at ideal learning temperature year-round? Assuming: The thermostat works; Drexel has underground labs **UCS**

B

A

3. Her sleeping cycle becomes upset and irregular **if** she watches Korean horror movies right before bedtime. Annamarie's sleep cycle is not upset and irregular these days. **So** [she must have stopped watching horror movies before bedtime.]

Question: Has she stopped watching horror movies? Assuming: Horror movies can interrupt one's sleeping; Things one watches before bedtime have an affect on sleep **MT**

B

A

4. **Given that** she will devote little time to socializing activities with other children **if** she spends every afternoon video-gaming, and that she will become isolated and lonely **if** she does, **it follows that** [your child will become isolated and lonely **if** she spends every afternoon video-gaming.]

Question: Is it good to allow one's child to spend every afternoon video-gaming? Assuming: The listener has a child; The listener wants his or her child to be happy and healthy not isolated and lonely **HC**

A

1. **f. false dilemma** Señor Arturo Sclerosis has high cholesterol disease that could **either** be from a genetic predisposition in his family **or** his lack of exercise, **or** from eating too much manicotti. [But I believe his high cholesterol disease is actually the result of eating too much manicotti,] **since** there is no sign of high cholesterol in his family.

A

2. **a. disjunctive syllogism** Student clubs are allowed to hold events using funds they have raised themselves, **or** which are provided by the Student Activities Fund. [We'll have to hold a bake sale to raise money], **since** our club doesn't have any Student Activities Fund money.

3. **h. affirming the consequent** *Since* it's clear that investment has been stimulated and the amount of money lent by banks is up, [interest rates must have been lowered] *because* more money is lent between banks, stimulating investment *if* interest rates are lowered.

4. **c. modus ponens** *If* Levon Helm was the best mandolin player in The Band, then he was better than Robbie Robertson. *Since* it is clear that Levon Helm was the best mandolin player in The Band, *it follows that* [he was better than Robbie Robertson.]

5. **d. modus tollens** [Mario LeMeow didn't swallow a dustbunny last night] *since* he didn't throw anything up near the cat-box today. *If* Mario LeMeow swallows a dustbunny, he throws it up near the cat box the next morning.

6. **g. broken chain** You will catch pneumonia *if* you go outside into the cold without a hat. *If* the Phillies advance to the World Series this season, then you will miss a lot of classes. *Therefore, [if* you go outside into the cold without a hat you will miss a lot of classes.]

7. **i. denying the antecedent** [Drexel will not stop Melanie from graduating.] *Drexel stops students from graduating if* they keep library books past their due date. But Melanie didn't have any overdue books from the library.

8. **d. modus tollens** Being perfect and unchanging, God cannot feel sorrow. But *if* God is merciful, God must feel sorrow. *Hence*, [God cannot be merciful.]

9. **b. hypothetical chain** Popeye would be stronger than Bluto, *if* he'd eat his spinach regularly, and Olive Oyl would love him, *if* Popeye was stronger than Bluto. *As a result*, [Olive Oyl would love him, *if* Popeye would eat his spinach regularly.]

10. **e. universal categorical syllogism** Cheating in homework or papers turns schoolwork into a pretense. Plagiarism is a form of cheating in homework or papers. *So* [plagiarism turns schoolwork into a pretense.]

11. **e. universal categorical syllogism** [Ben Francisco is a hard-working, dedicated baseball player]. *Here's why—all* of the Phillies are hard-working, dedicated baseball players, and Ben Francisco is a Phillie.

A C

12. b. **hypothetical chain** [**If** Nike keeps most of its factories in Indonesia, it will be a good thing for the working people],
B A
because their managers have agreed to implement fair work rules and higher pay **if** Nike keeps most of its factories there.
B C
 And **if** the managers implement fair work rules and higher wages, it will be good for the working people of that country.

A = B x = A x =

13. j. **undistributed middle** *Given that* all wooden things burn, [witches must be made out of wood,] *seeing as* witches
 B
burn.

~A ~B

14. i. **denying the antecedent** *Given that* there is no fire here, [there must not be any oxygen either], *seeing as* there is
 B A
oxygen, if there is fire.