

**Identify the hypothesis and conclusion of each conditional statement.**

1. If you go to AFHS, then you are a caveman.

Hypothesis: \_\_\_\_\_

Conclusion: \_\_\_\_\_

2. If you drink soda, then you will burp.

Hypothesis: \_\_\_\_\_

Conclusion: \_\_\_\_\_

3. If your car's oil isn't changed, then it will break down.

Hypothesis: \_\_\_\_\_

Conclusion: \_\_\_\_\_

**Write each biconditional statement as two conditional statements.**

4. We will have tacos for dinner iff it's Tuesday.

5. You may go to the movies Friday night if and only if you clean your room.

6. Tina will go to Europe iff she saves enough money.

**Write out in words and draw a picture of what the symbols mean.**

7.  $m\angle A$

8.  $\angle JKL$

9.  $\triangle PQR$

10.  $WXYZ$

11.  $\overline{AB}$

12.  $CD$

**State whether each statement is True or False. If False, give a counterexample.**

13. If it is sunny, then it is hot outside.

14. If you are allergic to shellfish, then you shouldn't eat oysters.

15. All birds can fly.

16. All animals have 4 legs.

17. Gravity pulls objects down.

18. No plants are carnivorous.