

The following is a submission form for the following **classwork assignments**. Students should have completed this during class time. Each is a drill on the topic of Formal Fallacies.

Activities

1. Finish the following arguments using an Affirming the Consequent fallacy.

a. Teachers are hard-working. Jane is hard-working.

b. If a rocket re-enters our atmosphere there will be a loud boom. I just heard a loud boom.

c. If people are honest, they love babies. Jack loves babies.

Activities

1. Finish the following Denying the Antecedent fallacies:

a) All animals which are fish have fins.
This animal is not a fish.

b) Citizens of Torvania love their country.
Franklin is a citizen of Lassnia, not Torvania.

**CONTINUED ON THE
NEXT PAGE**

FALLACY DRILL

Affirming the Consequent

P1: **If A then B**

P2: **B**

C: **So, A**

Denying the Antecedent

P1: **If A then B**

P2: **Not A (negation)**

C: **So, Not B (negation)**

Instructions: On a separate sheet of paper, tell me if the syllogism is either Affirming the Consequent, Denying the Antecedent or a valid-type (name the type). Next to the argument, please write the corresponding formula.

~~1.~~ If I have caffeine, then I will be awake all night
I am awake all night
Therefore, I had caffeine.

~~2.~~ If there's no gas in the car, the car won't start
The car won't start!
Therefore, there's no gas in the car.

~~3.~~ If you are a middle school student, then you are 12 years old.
You are not 12 years old.
So, you are not a middle school student

~~4.~~ If it's a yorkie, then it is a dog
It is not a yorkie
Therefore, it's not a dog

~~5.~~ If it is a car, then it has wheels
It's a car
Therefore, it has wheels

~~6.~~ If you have a current password, then you can log on to the network
You have the current password
Therefore, you can log on to the network