

**Appeal to \_\_\_\_\_ (*Argumentum ad* \_\_\_\_\_)**

Appeal to \_\_\_\_\_ happens when the premises of an argument state that nothing has been proved one way or the other about something but then the conclusion makes a definite assertion about that subject.

People have been trying to prove, for millennia, that God exists. They have been unable to do so. Therefore, we must conclude that God does not exist.

Using \_\_\_\_\_ to Prove \_\_\_\_\_

\_\_\_\_\_ Syllogisms

*All A are B.*  
*All B are C.*  
*All A are C.*

All daisies are flowers.  
All flowers are plants.  
All daisies are plants.

All daisies are dogs.  
All dogs are cars.  
All daisies are cars.

“I am a Christian so I will go to heaven.”

Here is an \_\_\_\_\_ argument form:

All A are B.  
All C are B.  
All A are C.

All cats are animals.  
All dogs are animals.  
Therefore, all cats are dogs.

Example of valid argument in invalid form.

All bachelors are persons.  
All unmarried men are persons.  
Therefore, all bachelors are unmarried men.

Whenever you take an argument form and replace the letters with words or statements you create what is known as a \_\_\_\_\_ of that form.

\_\_\_\_\_ : A substitution instance with true premises and a false conclusion.

Example:

Since some employees are not social climbers and all vice-presidents are employees, we may conclude that some vice-presidents are not social climbers.

What is the argument form?

When creating counterexamples it is important to use simple terms that everyone is familiar with and that everyone agrees on their definition.

For instance when dealing with categorical syllogisms it is helpful to use words like “cats,” dogs, mammals, fish and animals.

It is also helpful to begin by creating a false conclusion and then selecting a third term that will result in true premises.

Example:

If the government imposes import restrictions, the price of automobiles will rise.  
Therefore, since the government will not impose import restrictions, it follows that  
the price of automobiles will not rise.

What is the form of this argument?

### Finding the \_\_\_\_\_

When breaking down the form of the argument.

1. Identify the \_\_\_\_\_
2. Identify the \_\_\_\_\_
3. Write out the premises followed by the conclusion.
4. Identify the “\_\_\_\_\_ words” from the “\_\_\_\_\_ words”

Form words:

\_\_\_\_\_ syllogisms:

\_\_\_\_\_ syllogisms:

Other arguments:

5. Replace the content words or statements with letters.
6. Test with \_\_\_\_\_ instance

Practice:

No patrons of fast-food restaurants are health food addicts. Consequently, no patrons of fast-food restaurants are connoisseurs of fine desserts, since no connoisseurs of fine desserts are health food addicts.

If animal species are fixed and immutable, then evolution is a myth. Therefore, evolution is not a myth, since animal species are not fixed and immutable.

All community colleges with low tuition are either schools with large enrollments or institutions supported by taxes. Therefore, all community colleges are institutions supported by taxes.