

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## **Detective of Distraction: 5th Grade Logic & Fallacy Quiz**

Expose sneaky arguments and flawed shortcuts. Use your analytical skills to separate solid facts from tricky reasoning errors in everyday life.

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**1. Imagine your friend says, 'If we don't buy this new video game today, we will never have fun again!' Which logical error are they making?**

- A. Hasty Generalization
- B. Slippery Slope
- C. False Dilemma (Either/Or)
- D. Circular Reasoning

**2. A 'Strong' inductive argument means the conclusion is 100% guaranteed to be true forever.**

- A. True
- B. False

**3. Complete the logical pattern: (1) All reptiles are cold-blooded. (2) A chameleon is a reptile. (3) Therefore, a chameleon is \_\_\_\_\_.**

- A. a lizard
- B. changing colors
- C. cold-blooded
- D. not a mammal

**4. During a debate about school lunch, Leo says, 'We should have more salad.' Maya replies, 'Leo wants us to eat nothing but grass like cows!' What fallacy did Maya use?**

- A. Ad Hominem (Personal Attack)
- B. Straw Man
- C. Bandwagon
- D. Red Herring

**5. Which of these is an example of ANALOGICAL reasoning?**

- A. Since this key fits the front door, it will likely fit the back door too.
- B. Every cat I've met purrs, so all cats in the world must purr.
- C. The sign says 'No Dogs,' and I have a dog, so I cannot enter.
- D. I flipped a coin and it landed on heads four times in a row.

**6. When someone says 'Everyone in class is wearing these shoes, so you should too,' they are using the Bandwagon fallacy.**

- A. True
- B. False

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**7. An argument is considered \_\_\_\_\_ if the logic is correct AND all the premises are actually true facts.**

- A. Sound
- B. Opinionated
- C. Circular
- D. Complex

**8. If you see dark clouds, hear thunder, and conclude it is about to rain, what type of reasoning are you using?**

- A. Deductive Reasoning
- B. Fallacious Reasoning
- C. Inductive Reasoning
- D. Ad Hominem

**9. The 'Ad Hominem' fallacy is when you focus on an opponent's character or personality instead of their actual argument.**

- A. True
- B. False

**10. In logic, a \_\_\_\_\_ is a starting statement that provides evidence or reasons for a conclusion.**

- A. Fallacy
- B. Premise
- C. Generalization
- D. Syllogism