Name _____



## Trail Of Reason

**Directions:** Read the passage. For each statement, underline if it **correctly interprets the text** or **misinterprets it**. If it misinterprets the text, **name the logic error**.

The eighth-grade ecology club conducts a weekend survey on a forest trail to study litter patterns. On Saturday morning, the group counts trash along the first mile and finds wrappers near the parking lot and along the first curve of the path. By midday, a volunteer ranger explains that most visitors stay within the first mile and rarely reach the deeper sections of the trail. On Sunday afternoon, the students repeat the count after a community cleanup and record **far fewer items near the entrance**, but **no change** in the deeper areas. In their report, the club states that targeted cleanups near high-use areas are more efficient than spreading volunteers thin across the entire trail.

1. The students found the most litter near the trail entrance because most visitors stay close to the parking lot. (Accurate / Misinterpretation)

   **Logic error:**

2. Because litter decreased near the entrance on Sunday, the cleanup caused the **entire trail** to become clean. (Accurate / Misinterpretation)

   **Logic error:**

3. The ranger's explanation helps the students understand **why** litter is concentrated in one area. (Accurate / Misinterpretation)

   **Logic error:**

4. Since deeper trail areas showed **no change**, cleanups do not work at all. (Accurate / Misinterpretation)

   **Logic error:**

5. The club concludes that **targeted cleanups** are more efficient than spreading volunteers everywhere. (Accurate / Misinterpretation)

   **Logic error:**

6. Because there was trash near the first curve, all visitors must throw litter intentionally. (Accurate / Misinterpretation)

   **Logic error:**

7. The data compares results from **before and after** a cleanup in the same area. (Accurate / Misinterpretation)

   **Logic error:**

8. Since only the entrance area improved, the students proved that deep forest areas never need attention. (Accurate / Misinterpretation)

   **Logic error:**

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