

Tell whether the sample is biased or unbiased. Explain your answer.

1. A city councilman asks members of the ice hockey team if they would prefer a new skate park or a new ice rink to be built as the new building Project.
2. The manager of an apartment building asked people from the lower floor of building B if they think noise is a problem.
3. The lifeguard of a water park wants to determine which water rides are enjoyed the most so he asks every tenth person who leaves the park to list his or her three favorite rides.
4. A nurse wants to know the average height of all 8<sup>th</sup> graders that attend the middle school where she works so she measures the height of all the basketball players.
5. A school newspaper reporter surveys all the 7<sup>th</sup> and 8<sup>th</sup> graders to determine their favorite after school activity.

Determine whether the question is biased or unbiased and circle your answer. If the question is biased, rewrite it so that it is unbiased.

6.) Are you willing to deal with noisy, heavy increases in traffic where you live just so another unnecessary mall can be built?

Biased or Unbiased

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7.) Do you support the governor's proposal to reduce state taxes?

Biased or Unbiased

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8.) Do you think soft, furry cats that purr are better pets than big, bad dogs that bark?

Biased or Unbiased

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9.) Are you willing to pay higher taxes so that the city can build a new stadium?

Biased or Unbiased

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10.) Would you prefer to take a long, difficult essay test or a quick, simple multiple choice test?

Biased or Unbiased

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