Use the scenario to identifying populations and samplings.

1) A survey company was trying to see if people in a state thought the pollution was too high.

Which choice **best** represents a population?

A. A selection of people from each neighborhood in the state.

B. Every person in the state.

C. Every person who sent in a complaint about pollution.

D. A selection of people who live in dirty neighborhoods.

2) Before a nation wide election, a polling place was trying to see who would win.

Which choice **best** represents a population?

A. A selection of voters over age 50.

B. A selection of votes from one part of the nation.

C. All voters.

D. A selection of voters from all over the nation.

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

3) A restaurant chain wanted to find out how the customer experience was in a store.

Which choice **best** represents a sample?

A. 258 customers who spent more than $14.

B. 258 customers who filled out complaint cards.

C. 1 out of every 41 customers

D. All of the people who ate at the store.

4) A gaming website wanted to find out which console its visitors owned.

Which choice **best** represents a sample?

A. Visitors to the PS4 section.

B. All of the website visitors.

C. Visitors to the 3DS section.

D. Visitors who are on the website for more than 5 minutes.

5) A musician wanted to see what people who bought his last album thought about the songs.

Which choice **best** represents a population?

A. 265 girls who bought the album.

B. Every person from age 5 - 12 who bought the album.

C. A selection of 9,959 people who bought the album.

D. Every person who bought the album.

6) A mayor wanted to see if the people in his town thought he was doing a good job.

Which choice **best** represents a sample?

A. 217 voters.

B. Local business owners.

C. 1,000 unemployed voters.

D. The residents of the town.

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1. **B**

2. **C**

3. **C**

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