### Identifying Populations and Samples

#### Use the scenario to identifying populations and samplings.

<table>
<thead>
<tr>
<th></th>
<th>Scenario</th>
<th>Question</th>
<th>Options</th>
<th>Correct Answer</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>A gaming website wanted to find out which console its visitors owned.</td>
<td>Which choice best represents a sample?</td>
<td>A. Visitors over 16.</td>
<td>B. Visitors to the 3DS section.</td>
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<td>C. All of the website visitors.</td>
<td>D. Visitors with an 'e' in their user name.</td>
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<td>2</td>
<td>Before a nation wide election, a polling place was trying to see who would win.</td>
<td>Which choice best represents a population?</td>
<td>A. A selection of votes from one part of the nation.</td>
<td>B. All voters.</td>
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<td>C. A selection of male voters.</td>
<td>D. A selection of voters from all over the nation.</td>
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<td>3</td>
<td>A mayor wanted to see if the people in his town thought he was doing a good job.</td>
<td>Which choice best represents a population?</td>
<td>A. The residents of the town.</td>
<td>B. 1,000 unemployed voters.</td>
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<td>C. 258 voters.</td>
<td>D. 399 voters age 21 to 30.</td>
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<td>4</td>
<td>A musician wanted to see what people who bought his last album thought about the songs.</td>
<td>Which choice best represents a sample?</td>
<td>A. Every person who bought the album.</td>
<td>B. A selection of 8,684 people who bought the album.</td>
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<td>C. A selection of people who didn't want to buy the album.</td>
<td>D. 276 girls who bought the album.</td>
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<td>5</td>
<td>A survey company was trying to see if people in a state thought the pollution was too high.</td>
<td>Which choice best represents a sample?</td>
<td>A. Every person who sent in a complaint about pollution.</td>
<td>B. A selection of people from each neighborhood in the state.</td>
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<td>C. A selection of people who live in small towns.</td>
<td>D. Every person in the state.</td>
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<td>6</td>
<td>A school principal wants to see which subject the 796 students in his school liked best.</td>
<td>Which choice best represents a sample?</td>
<td>A. All the students in the school.</td>
<td>B. The girls in the school.</td>
</tr>
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<td></td>
<td>C. The first 51 students who come into the school.</td>
<td>D. The students making a B in math.</td>
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</table>

### Answers

1. B
2. D
3. A
4. B
5. B
6. C
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