

**Answers p. 311 #10-12**

**10.a)** What is the main factor affecting the density of any population?

*Access to food and water.*

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**b)** Name two other factors that have an impact on population density.

*Answers will vary. Examples: climate, the presence of predators, parasites or disease, and disasters of natural or human origin.*

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**11.** Given that most of the Canadian population lives in cities, what is the pattern of population distribution in our country?

*Clumped distribution*

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**12.** Which pattern of distribution is illustrated by each of the following situations?

**a)** In a forest, the fir trees are scattered about at random.

*Random distribution*

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**b)** Fungi grow in colonies on the trunks of dead trees.

*Clumped distribution*

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**c)** Several clouds of mayflies hover over a lake.

*Clumped distribution*

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**d)** The hummingbirds in a valley aggressively defend their respective territories; they tend to build their nests at equal distances from one another.

*Uniform distribution*

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