

## Concrete

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Concrete is the most common material used to make footings and foundations. Read the chapter titled **Concrete** and answer the following questions.

1. How many years has concrete been manufactured?  
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2. What **four** ingredients are required to make concrete?  
\_\_\_\_\_
3. What is the purpose of **portland cement** in concrete and what is the **main material** used to manufacture it?  
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\_\_\_\_\_  
\_\_\_\_\_
4. Why is the amount of water added to a concrete mix important?  
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\_\_\_\_\_  
\_\_\_\_\_
5. What **unit** is concrete measured and ordered by?  
\_\_\_\_\_
6. Concrete has to be placed within how many hours of being mixed?  
\_\_\_\_\_
7. What are the **two** ways of pouring concrete from a mixing truck?  
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8. What does the term **honeycomb** mean, and what are **two** ways of eliminating it?

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9. When does concrete start to cure or harden?

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10. List **four** ways of keeping concrete moist long enough to cure properly.

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11. How many days does it take concrete to reach its **maximum strength**?

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12. What is **reinforced concrete** and why is it necessary?

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13. What is the purpose of **wire mesh**, and where is it used?

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