

**Bugatti Trust Museum and Study Centre**

**Materials testing**

1. Test each disc and record the results below:

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| ***Material*** | ***Weight*** *(g)* | ***Number of Rotations*** | ***Time*** *(secs)* | ***Speed (m/s-1)****Disc circumference/time* |
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1. Which material produced the highest number of rotations? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Which material produced the slowest speed? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Explain the factors that may affect the rotation of each material.

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