

# Toys on Earth and in Free Fall,

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STUDENT RESOURCE 5.6

ACTIVITY SHEET



## Spinners

- ❶ Compare the three spinners. Which twirls the most before landing?

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- ❷ How does the paper's weight affect the flight of a spinner?

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- ❸ Describe how you redesigned your spinners.

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## Hoppers

- ❹ What happens to the large hopper when you strike its nose harder?

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## Page 2

- 5 Predict whether the smaller hopper will jump higher given the same force, and explain the reason for your prediction. Then test your prediction.

**Prediction:**

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**Observation:**

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- 6 Construct a large hopper out of the large heavyweight square. How does its flight compare to a hopper of the same size made of lighter paper?

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### Spinners and Hoppers in Space

- 7 What would happen if you dropped a spinning spinner in space?

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- 8 What would happen if you made a hopper jump in space?

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