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# Activities

## Hybrid Cars

Name: _____ Date: _____

Hybrid cars are great gas savers. That's good news for the planet and your wallet. You'll take a peak under the hood of one in this Planet Diary activity.

### Directions

- Go to How Hybrids Work to learn what's under the hood. Look at the diagram, then click the link to the animated diagram. Read the *Overview* to the left of the diagram. Answer Workspace questions 1 and 2.
- Scroll over the hybrid car parts to see their description and job. The electric motor and gasoline energy have different jobs at different times. Click the menu bar options to see their roles in starting, cruising, passing, braking and stopping. Use the information to complete the table for question 3.

### Workspace

1. How do a hybrid's electric motor and engine work together to power the car?

2. How is electric power generated to drive the electric motor of a hybrid?

3.

| Activity | Electric Motor Role | Gasoline Engine Role |
|---|---|---|
| Starting | | |
| Cruising | | |
| Passing | | |
| Breaking | | |
| Stopping | | |

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