Grammar

1 Write questions for the answers below. Use *how* and adjectives in the box to help you. (3 points each)

| far | strong | long | small | high |

1. *How high can a kangaroo jump?*  
   A kangaroo can jump 44 feet.

2. *A bumblebee bat is the size of a penny.*

3. *A rhinoceros beetle can lift 850 times its own weight.*

4. *A chameleons tongue is as long as its body.*

5. *An owl can hear up to half a mile away.*

Vocabulary

4 Complete the questions and answers with the words from the box. (1 point each)

<table>
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<tr>
<th>distance</th>
<th>speed</th>
<th>hundred</th>
<th>size</th>
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1. What’s the ___ of time that it takes the earth to move around the sun?  
   It takes more than three _______ days.  
   It’s about 365 days.

2. What’s the ______ between the earth and the sun?  
   It’s about 93 _______ miles away.

3. Do you know the ______ of the earth?  
   Is it bigger than Mars?  
   Mars is a little more than half the size of the earth. It _______ lighter, too.

4. What’s the ______ of light?  
   It’s close to 300,000 _______ per second or 186,000 miles per second.

Communication

5 Put the dialogue in the correct order. (1 point each)

a. ___ **Comets are cool!** Do you know anything about them?  
   **Well, you know more than I do.** Why don’t we do more research on comets?

b. ___ **Why don’t we do a project on comets?**  
   ***What should we do for our science project this year?***
e. ___ I only know they’re made of ice, gas, and dust.

f. ___ Let’s go to the library and start our research right now.

Reading

6] Read the text and correct the statements below. Use complete sentences. (3 points each)

Jack Hill, an astronomer at New Mexico’s Los Alamos National Laboratory was worried. So was the rest of the world, and with good reason. Astronomer Brian Marsden had just announced that a newly discovered asteroid was headed for earth and might pass as close as 48,000 kilometers in 2028. He said that the chance of a collision was small, but not impossible.

Just a day after this announcement, new data and new calculations showed that the asteroid would miss the earth by a comfortable distance of 1 million kilometers.

1. Jack Hill was worried because a comet had collided with earth.

2. An old asteroid was headed for earth.

3. According to Marsden, there was a great chance of a collision.

4. New data showed that the asteroid would pass 1,000 kilometers from the earth.

Writing

7] Complete the following paragraph by using the correct form of the verbs in the box. (1 point each)

Asteroids are clumps of material, mostly rock, that ___ around the sun. The word asteroid ___ “like a star.” They ___ like stars through a telescope. Some scientists ___ to asteroids as “minor planets” because they ___ carbon compounds and water. These are the same chemicals that plants and animals ___ to ___ on earth.

1. go
2. mean
3. carry
4. refer
5. shine
6. need
7. grow