**Words 1**

|  |  |
| --- | --- |
| 1. symmetrical | has the same shape |
| 2. identical | exactly the same |
| 3. equilateral | has sides of the same length |
| 4. internal | inside |
| 5. infinite | endless |
| 6. extend | make longer |
| 7. reproduce | make a copy |
| 8. aesthetic | beautiful |

**Words 2**

1. symmetrical
2. employ
3. approximately
4. hesitate
5. constituent
6. practical
7. interlocking
8. arrangement
9. repetition
10. dimensions

**Read 1**

1. True
2. False
3. False
4. False
5. True
6. True

**Read 2**

|  |  |
| --- | --- |
| 1. nutrients | something that helps things grow |
| 2. rotate | turn around |
| 3. daisy | a type of flower |
| 4. reveal | show |
| 5. elegant | attractive |
| 6. exact | perfect |

**Read 3**

1.  The text mentions symmetry in trees, leaves, flowers, and fruit.

2.  A leaf shows an example of reflectional symmetry.

3.  A daisy and an apple have similar kinds of symmetry.

4.  In art, it is possible to create perfect symmetry.

5.  The bee orchid is a type of flower .

**Grammar in Use 1**

|  |  |
| --- | --- |
| 1. A butterfly is an insect | that has symmetrical wings. |
| 2. A triangle is a shape | that has three sides. |
| 3. Identical twins are two people | who look exactly the same. |
| 4. A telescope is a tool | that helps us to see distant objects. |
| 5. Astronomers are scientists | who study stars and space. |
| 6. This is the factory | where scientists develop new materials. |

**Grammar in Use 2**

**1.** A museum is a place where you can see historical objects.   
**2.** A pinwheel is an object that has rotational symmetry.   
**3.** A zebra is an animal which  has black and white stripes.   
**4.** Sugar and salt are substances which have a symmetrical structure.   
**5.** Tall buildings and bridges are structures which employ symmetry.

**Grammar in Use 3**

1.  A library is a place where you can borrow books.

2.  An astronaut is a person who travels into space.

3.  A microphone is a device which  records your voice.

4.  M.C. Escher was an artist who used symmetry to create visual patterns.

5.  A circle and a square are shapes that have reflectional symmetry.

**Grammar in Use 4**

1. a spider is an insect that has eight legs .

2. a pilot is a person who flies a plane .

3. a kettle is a device that boils water .

4. a kitchen is a place where you prepare food .

5. a crocodile is a reptile that eats meat

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**Listening**

1. shelves
2. wood
3. slide
4. trained
5. furniture

**Word Study**

1.  Can you trans late this e-mail from English into Spanish?

2.  In the past, people had to make trans atlantic journeys by ship.

3.  There was a 10-minute inter mission in the middle of the concert.

4.  Turn right at the next inter section and you will see the park.

5.  Bus and train are two types of public trans portation.

6.  The wallpaper had a design of inter locking circles.

**Writing Study**

**1.** We’re going to watch a two -part documentary about pandas.  
**2.** This book has ninety-five illustrations of animals and birds.   
**3.** There are eight windows in this room.  
**4.** Twenty-seven students are going on the trip to France.  
**5.** It is a three-hour walk to the top of the hill.