

Class: _____ Name: _____

Score: ____ /15

[1-4] Complete the sentences.

regular

angles

efficient

hives

1. Bee _____, dragonflies, and turtles have something in common.
2. Hexagons are the most _____ shape for packing.
3. Every ball has the same, _____ shape.
4. A polygon has at least three straight sides and _____.

[5-8] Choose the correct words.

5. If hives were made from circles, there would be empty (spaces / shells) between the circles.
6. Because of their compound eyes, dragonflies have the best (vision / hive) in the animal world.
7. At first sight, a common soccer ball looks like a perfect (angle / sphere).
8. Every pentagon on the soccer ball is (remained / surrounded) by five hexagons.

[9-11] Read and answer the questions.

Look closely at a dragonfly's eyes. Dragonflies have "compound eyes." Their eyes are made up of around 30,000 lenses. Those lenses are hexagons. And they are packed together in the dragonfly's eyes. Because of their compound eyes, dragonflies have the best vision in the animal world.

9. What is the paragraph mainly about?
 - a) hexagons found in nature
 - b) the compound eyes of dragonflies
 - c) dragonflies' vision

10. What makes dragonflies have the best vision in the animal world?

- Ⓐ They have compound eyes.
- Ⓑ They have lenses.
- Ⓒ They have 30,000 hexagons.

11. What is true about a dragonfly's compound eyes?

- Ⓐ They are made up of around 3,000 lenses.
- Ⓑ The lenses are hexagons.
- Ⓒ The lenses are packed around the outside of the dragonfly's eyes.

[12-15] Read and answer the questions.

At first sight, a common soccer ball looks like a perfect sphere. After a closer look, however, you will see something different. The soccer ball is made from 32 polygons. A polygon has at least three straight sides and angles. The soccer ball is made from two types of polygons. **It** has 12 pentagons and 20 hexagons. Pentagons are five-sided, and hexagons are six-sided. Every pentagon on the soccer ball is surrounded by five hexagons. The pentagons are black, and the hexagons are white.

12. What is the paragraph mainly about?

- Ⓐ soccer balls in the past
- Ⓑ the shape of a soccer ball
- Ⓒ the definition of a polygon and examples of it

13. What is a shape that has at least three straight sides and angles called?

- Ⓐ a pentagon
- Ⓑ a hexagon
- Ⓒ a polygon

14. What does **It** refer to?

- Ⓐ a common soccer ball
- Ⓑ a polygon
- Ⓒ a hexagon

15. What is true about the shape of a soccer ball?

- Ⓐ It is not a perfect sphere.
- Ⓑ It is made from three types of polygons.
- Ⓒ It is made from 23 polygons.