

Class: _____ Name: _____

Unit 1 How We Smell

A. Fill in the blanks with the correct words.

process particle complicated expert recognize

Synonym	Antonym
1) figure out = _____	4) simple <-> _____
2) method = _____	5) beginner <-> _____
3) bit = _____	

B. Read the definitions and write the correct words from the paragraph. (Use the base form.)

Your sense of smell is amazing. Some experts say that you can distinguish a trillion different kinds of smells. But did you know that your sense of smell gets tired of the same smell easily? You smell freshly baked bread when you enter a bakery. But soon, you do not smell it as much. That is because your nose is getting ready for new smells.

- 1) to become bored; to feel nothing special about _____
- 2) without difficulty _____
- 3) to go into a place _____
- 4) before long _____

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Unit 2 How Some Animals Smell

A. Fill in the blanks with the correct words.

identify scent prey source wave

Synonym	Antonym
1) origin = _____	4) predator <-> _____
2) analyze = _____	5) stay still <-> _____
3) smell = _____	

B. Read the definitions and write the correct words from the paragraph. (Use the base form.)

Snakes smell with their tongues. They move smoothly through the grass, raise their heads, and stick out their wet tongues. The tongue picks up different scents in the area. The tongue goes back into a snake's mouth. It touches a special organ called the Jacobson's organ. The Jacobson's organ identifies the smell. It tells the snake whether the smell is a predator or prey.

- 1) in the middle of; in between _____
- 2) to push out _____
- 3) to make contact _____
- 4) to inform _____

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Unit 3 Town Squares for Everyone

A. Fill in the blanks with the correct words.

reflect goods ancient trade

Synonym	Antonym
1) items = _____	4) new <-> _____
2) mirror = _____	
3) exchange = _____	

B. Read the definitions and write the correct words from the paragraph. (Use the base form.)

The history of the town square goes back centuries. Ancient Greek cities like Athens had town squares 2,500 years ago. The Greeks called their town square the agora. It was the heart of the city. The Greeks discussed politics and held elections in the agora. It was also a marketplace. People traded different goods there.

- 1) such as _____
- 2) to give something a name _____
- 3) center; the most important part _____
- 4) various _____

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Unit 4 Famous Town Squares

A. Fill in the blanks with the correct words.

hub frequently numerous located

Synonym	Antonym
1) a lot of = _____	4) rarely <-> _____
2) based = _____	
3) center = _____	

B. Read the definitions and write the correct words from the paragraph. (Use the base form.)

Times Square in New York City, US, is called "the crossroads of the world." It is a major tourist attraction and entertainment center. On New Year's Eve, more than one million people gather to celebrate the new year there. Every year, around 50 million tourists visit Times Square for sightseeing and entertainment.

- 1) important; very big _____
- 2) to come together in a group _____
- 3) someone who travels to a place for pleasure _____
- 4) to go to a place _____

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Unit 5 Projection Mapping

A. Fill in the blanks with the correct words.

cover fit flat choose image

Synonym	Antonym
1) suit = _____	4) uncover <-> _____
2) picture = _____	5) rough <-> _____
3) select = _____	

B. Read the definitions and write the correct words from the paragraph. (Use the base form.)

Projection mapping is a technique that turns any 3D object into 3D digital art. 3D objects become display surfaces for projection mapping. They can be any shape at all. Artists can project images on objects like buildings, cars, or even cakes. Before this technique, image projection was possible only on flat screens.

- 1) a way or skill needed to do something _____
- 2) to change _____
- 3) the physical form of something _____
- 4) able to happen or exist _____

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Unit 6 VR Painting

A. Fill in the blanks with the correct words.

simulated enter quite share virtual

Synonym	Antonym
1) very = _____	3) true, real <-> _____
2) digital = _____	4) keep <-> _____
	5) leave <-> _____

B. Read the definitions and write the correct words from the paragraph. (Use the base form.)

The controller can also be a digital palette. You can change your paint colors or choose brushes using this palette. You can also add decorations to your artwork. When your VR painting is finished, you can share it with others online.

- 1) a plate of different colors for an artist to use _____
- 2) to include _____
- 3) final; completed _____
- 4) on the internet _____

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Unit 7 Unmanned Aerial Vehicles

A. Fill in the blanks with the correct words.

innovation control advanced emergency imagine

Synonym	Antonym
1) think of = _____	4) basic <-> _____
2) handle = _____	5) tradition <-> _____
3) accident = _____	

B. Read the definitions and write the correct words from the paragraph.

(Use the base form.)

Drones were first developed in the early 20th century. They were not for fun at all. They were used in the military to attack enemies. In World War I and II, they were used to drop bombs. Drones are still used widely in the military around the world.

- 1) to create _____
- 2) someone (or something) you fight against _____
- 3) to let something fall _____
- 4) broadly; commonly _____

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Unit 8 How Drones Save Lives

A. Fill in the blanks with the correct words.

rescue collect allow disaster

Synonym	Antonym
1) let = _____	4) throw away <-> _____
2) save = _____	
3) emergency = _____	

B. Read the definitions and write the correct words from the paragraph. (Use the base form.)

In 2019, a hiker in Utah got stuck on the ledge of a 20-meter-high cliff. Hikers in the area heard a man yelling for help. By the time rescuers arrived, it was dark. Rescuers used drones with lights on them to find the man. They flew the drones over the area where he was trapped. The lights allowed them to find and rescue the man.

- 1) to make a loud sound; to shout _____
- 2) to get to a place _____
- 3) above _____
- 4) unable to move or escape _____

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Unit 9 Folk Wrestling

A. Fill in the blanks with the correct words.

match alike wrap tie folk

Synonym	Antonym
1) attach = _____	3) untie<-> _____
2) game = _____	4) modern <-> _____
	5) different <-> _____

B. Read the definitions and write the correct words from the paragraph.

(Use the base form.)

Sumo wrestlers tie their hair into special knots, whereas ssireum wrestlers do not. Sumo wrestlers are strong, but they are overweight. Ssireum wrestlers are strong too, but they are not overweight. In sumo, the goal is to push the other wrestler out of the ring. In ssireum, the goal is to make the other wrestler touch the ground with any body part above the knee.

- 1) unique _____
- 2) but _____
- 3) a purpose _____
- 4) a circle of land used for an event or activity _____

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Unit 10 Thumb Wrestling

A. Fill in the blanks with the correct words.

find out opponent lock decide pin down

Synonym	Antonym
1) rival = _____	3) let go <-> _____
2) pick = _____	4) unlock <-> _____
	5) hide <-> _____

B. Read the definitions and write the correct words from the paragraph.

(Use the base form.)

The rules at the championships are a little different than the ones of a casual match. To win, players must pin down their opponent's thumb long enough to say, "one-two-three-four, I win thumb-o-war!" If no one wins within 60 seconds, they play a second round. If no one wins that round, the winner is decided by playing rock, paper, scissors.

- 1) things that say how things are done in a certain situation or activity _____
- 2) not serious or official _____
- 3) to get first prize in a competition _____
- 4) a match or part of a competition _____

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Unit 11 Why We Get Sick

A. Fill in the blanks with the correct words.

include avoid spread factor

Synonym	Antonym
1) move = _____	4) face <-> _____
2) cause = _____	
3) consist of = _____	

B. Read the definitions and write the correct words from the paragraph. (Use the base form.)

Noninfectious diseases are generally caused by genetic factors or unhealthy lifestyle choices. For instance, if your mom has diabetes, then you have a high chance of getting diabetes. Cancer may also run in the family too. And bad eating habits and smoking can cause heart and lung diseases. So choosing a healthy lifestyle is important.

- 1) usually; in most cases _____
- 2) for example _____
- 3) the possibility that something will happen _____
- 4) to be passed on from one generation to another _____

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Unit 12 The Immune System

A. Fill in the blanks with the correct words.

patrol defend disease at times

Synonym	Antonym
1) guard = _____	3) attack <-> _____
2) sometimes = _____	4) good health <-> _____

B. Read the definitions and write the correct words from the paragraph. (Use the base form.)

The immune system works hard to keep people healthy. However, sometimes the immune system needs extra help to fight off certain germs. That is why it is important for people to get vaccinated. This helps the body get ready for attacks by germs.

- 1) with a lot of effort _____
- 2) more than usual or normal _____
- 3) some; particular _____
- 4) to prepare _____

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Unit 13 Hexagons in Nature

A. Fill in the blanks with the correct words.

vision empty pack efficient spot

Synonym	Antonym
1) eyesight = _____	4) full <-> _____
2) place = _____	5) wasteful <-> _____
3) find; see = _____	

B. Read the definitions and find the correct words in the paragraphs. (Use the base form.)

Everyone knows that turtles have hard shells. But did you know that there are hexagons on turtle shells? Hexagons are used to help cover the curved shape of the shell.

Now can you recognize hexagons? Take a close look at your surroundings. What did you find? How many hexagons can you spot?

- 1) a strong, hard outer covering _____
- 2) having a rounded or bending shape _____
- 3) to know something from knowledge or experience _____
- 4) the place around you _____

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Unit 14 The Shape of a Soccer Ball

A. Fill in the blanks with the correct words.

remain regular factory inflated sphere

Synonym	Antonym
1) workshop = _____	4) flat <-> _____
2) exist = _____	5) irregular <-> _____
3) ball = _____	

B. Read the definitions and write the correct words from the paragraph. (Use the base form.)

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.

- 1) as much as or more than _____
- 2) the spaces made by joining two lines _____
- 3) each one; all _____
- 4) to be wrapped around something on all sides _____

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Unit 15 The Danger of Video Games

A. Fill in the blanks with the correct words.

enough mental popular spend reward

Synonym	Antonym
1) plenty = _____	3) physical <-> _____
2) prize = _____	4) disliked <-> _____
	5) save <-> _____

B. Read the definitions and write the correct words from the paragraph.

(Use the base form.)

Video game addicts usually play for ten or more hours a day. They play games instead of doing homework or studying for tests. Also, they do not spend enough time with their family and friends. Game addicts commonly have poor diets. They use energy drinks to stay awake and eat instant foods while playing games. The more they play video games, the more their quality of life decreases.

- 1) rather than; in place of something else _____
- 2) usually _____
- 3) bad; of low quality or standard _____
- 4) to go down _____

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Unit 16 Computer Vision Syndrome

A. Fill in the blanks with the correct words.

regular relax stare fade away discomfort

Synonym	Antonym
1) look at = _____	4) appear <-> _____
2) pain = _____	5) tighten up <-> _____
3) routine = _____	

B. Read the definitions and write the correct words from the paragraph. (Use the base form.)

How many hours a day do you spend using electronic devices? Do you ever experience eye discomfort when viewing digital screens? Your eyes have to work extra hard when viewing something on an electronic device. Staring at a screen for too long is not good for your eyes. You could develop computer vision syndrome.

- 1) a machine with a particular purpose _____
- 2) to feel; to have something happen to you _____
- 3) to watch _____
- 4) to use time _____