



# UNIT 1: READING 1

## CLEAN AIR

### VOCABULARY

*Draw a line to the correct definition.*

1. conducted

2. unaffected

3. pristine

4. microbe

5. isolated

6. continent

7. minimally

- Organized and carried out.
- In its original condition; unspoiled.
- Not impacted by
- Far away from other places, buildings, or people; remote.
- A micro-organism, especially a bacteria causing disease.
- To an extremely small extent; negligibly.
- Any of the world's main continuous areas of land (Africa, Antarctica, Asia, Australia, Europe, North America, South America)

## LISTENING



***Listen to the text and fill in the gaps.***

Scientists found (1) \_\_\_\_\_ is the cleanest air on Earth. Researchers conducted research (2) \_\_\_\_\_ of the air above Antarctica. An area (3) \_\_\_\_\_ of Australia and Antarctica was "unaffected" by human activity. The (4) \_\_\_\_\_ air in the clouds showed it (5) \_\_\_\_\_ "anthropogenic aerosols". These are pollutants from human activity, or dust from other continents. The scientists called this pollution-free (6) \_\_\_\_\_.

The scientists analysed microbes in the clouds. They (7) \_\_\_\_\_ DNA of the microbes came from. They monitored the wind to (8) \_\_\_\_\_ the microbes travelled. They found the atmospheric eco-system was "isolated" and (9) \_\_\_\_\_ from elsewhere in the world. The (10) \_\_\_\_\_ the Southern Ocean rather (11) \_\_\_\_\_. The Southern Ocean is one of very few places on Earth minimally (12) \_\_\_\_\_.



# Clean Air

***Now, read the article that you have just listened to:***

Scientists found what they think is the cleanest air on Earth. Researchers conducted research on the purity of the air above Antarctica. An area between the south of Australia and Antarctica was "unaffected" by human activity. The analysis of the air in the clouds showed it was free from "anthropogenic aerosols". These are pollutants from human activity, or dust from other continents. The scientists called this pollution-free area, "truly pristine".

The scientists analysed microbes in the clouds. They tracked where the DNA of the microbes came from. They monitored the wind to see how far the microbes travelled. They found the atmospheric eco-system was "isolated" and free from contaminants from elsewhere in the world. The microbes came from the Southern Ocean rather than other continents. The Southern Ocean is one of very few places on Earth "minimally affected" by pollution.

## TRUE / FALSE:

***Read the headline. Guess if 1-8 below are true (T) or false (F).***

- |                                                                           |       |
|---------------------------------------------------------------------------|-------|
| 1. Researchers found the world's cleanest air in Colorado's mountains.    | T / F |
| 2. Researchers found an area that was not affected by human activity.     | T / F |
| 3. Researchers said the area they monitored was pristine.                 | T / F |
| 4. The scientists analysed the DNA of the microbes in the air.            | T / F |
| 5. The scientists said the area under study wasn't an isolated ecosystem. | T / F |
| 6. The air the scientists studied had microbes from nearby continents.    | T / F |
| 7. The Southern Ocean is the only place on Earth unaffected by aerosols.  | T / F |



## PHRASE MATCH:

*Draw a line to the phrase that best completes it (Sometimes more than one choice is possible.).*

### **PARAGRAPH 1**

- the cleanest air
- research on the
- unaffected by human
- free from anthropogenic
- These are pollutants from
- dust from other
- scientists called this pollution-
- truly
- activity
- continents
- purity of the air
- pristine
- on Earth
- free
- human activity
- aerosols

### **PARAGRAPH 2**

- The scientists analysed
- tracked where the DNA of the
- They monitored the
- to see how far the microbes
- the atmospheric eco-
- contaminants from elsewhere
- one of very few
- minimally affected
- travelled
- in the world
- places on Earth
- microbes
- wind
- by pollution
- system
- microbes came from