

1. The increasing number of satellites in Earth's orbit has raised concerns about potential ---- with space debris.

- A) connections
- B) collisions
- C) predictions
- D) replacements
- E) proportions

2. The scientists were alarmed by the sudden ---- of oxygen in the experimental chamber, which led them to stop the test.

- A) abundance
- B) depletion
- C) migration
- D) substitution
- E) confirmation

3. The Arctic is warming nearly four times faster than the rest of the planet, which may lead to ---- environmental consequences.

- A) reversible
- B) devastating
- C) compatible
- D) indifferent
- E) competent

4. The invention of the microscope ---- the study of microbiology and transformed our understanding of disease.

- A) opposed
- B) conflicted
- C) revolutionized
- D) postponed
- E) maintained

5. Experts agree that excessive screen time is partly to ---- for reduced attention spans in younger generations.

- A) assist
- B) blame
- C) consider
- D) repair
- E) substitute

6. The law of conservation of energy states that energy can neither be created nor destroyed but only ---- from one form to another.

- A) adapted
- B) promoted
- C) converted
- D) justified
- E) diminished

7. Scientists working in Antarctica must wear special suits ---- them from temperatures that ---- below -50°C.

- A) protect / must drop
- B) to protect / can drop
- C) protected / may drop
- D) protecting / had to drop
- E) to be protected / used to drop

8. If greenhouse gas emissions ----significantly today, sea levels ---- by over a meter by the end of the century.

- A) are not reduced / had to rise
- B) will not be reduced / will have risen
- C) had not been reduced / could have risen
- D) were not reduced / could rise
- E) would not be reduced / would have risen

9. The two species look similar, but they are genetically distinct ---- from one another and evolved ---- separate environments.

- A) through / at
- B) off / into
- C) from / in
- D) on / upon
- E) with / among

10. Most deep-sea creatures rely on bioluminescence to attract prey or communicate -- -- the complete absence of natural light.

- A) due to
- B) contrary to
- C) instead of
- D) prior to
- E) on behalf of

11. Many researchers argue that climate models should integrate human behavior more deeply, ---- it significantly influences environmental change.

- A) whether
- B) since
- C) unless
- D) although
- E) as if

12. The theory of relativity, ---- revolutionized physics, was not immediately accepted when first introduced.

- A) what
- B) where
- C) which
- D) that
- E) whose

13. The newly developed material is extremely flexible and light, ---- it is strong enough to withstand heavy pressure.

- A) so
- B) until
- C) unless
- D) yet
- E) because

14. ---- advancements in cancer research, certain aggressive forms of the disease remain difficult to treat.

- A) But for
- B) Despite
- C) As with
- D) Due to
- E) Similar to

15. Robots designed for surgical procedures must be extremely precise, ---- even a slight error may cause major complications.

- A) so
- B) until
- C) unless
- D) yet
- E) as

16. The physicist presented a theory that explained the phenomenon ---- a mathematical model.

- A) on behalf of
- B) in need of
- C) in case of
- D) by means of
- E) instead of

17. The brain scans showed that people under stress exhibited activity in regions of the brain ---- decision-making.

- A) on behalf of
- B) associated with
- C) in case of
- D) by means of
- E) instead of

18. The scientist proposed a new method, ---- efficiency has yet to be tested in real-world conditions.

- A) who
- B) whose
- C) that
- D) where
- E) which

19. A small genetic mutation can be ---- extreme --- - a cell's function is entirely disrupted.

- A) so / than
- B) either / or
- C) so / that
- D) as / as
- E) such/ that

20. In 2015, scientists discovered gravitational waves, ---- confirmed a major prediction of Einstein's general theory of relativity.

- A) whose
- B) which
- C) what
- D) when
- E) where