

1. DNA can be defined as genetic ---- about how our bodies are built, and it controls the way a baby is going to grow up - its height, hair colour, and susceptibility to certain diseases.

- A) adherents
- B) instructions
- C) impediments
- D) modifications
- E) developments

2. A number of serious issues like rapid population increases, environmental ----, and energy price destabilisation had an effect on agriculture in the latter half of the 20th century.

- A) resolution
- B) perception
- C) benefit
- D) deterioration
- E) innovation

3. As lots of information on insects has been lacking and endangered species documentation is unreliable, the number of at-risk insect species is unquestionably ----.

- A) unfortunate
- B) unavoidable
- C) undeniable
- D) unalterable
- E) underrated

4. Agriculturalists manipulated plant and animal species so intensely that they began to alter the genetic makeup of prey species in a process ---- referred to as domestication.

- A) evenly
- B) intuitively
- C) respectively
- D) commonly
- E) initially

5. In the future, medical prescriptions and drugs could be ---- to patients by ATM-like robot, remotely controlled by an algorithm to ensure the right doses at the right times.

- A) reversed
- B) overcome
- C) excluded
- D) distributed
- E) admitted

6. As recent research has pointed out, the cell is ---- the fundamental unit, housing the genetic material and the biochemical organisation that account for the existence of life.

- A) broken into
- B) looked for
- C) known as
- D) put off
- E) taken in

7. Heat and light ---- the Sun result in seasonal change on the planet Neptune, with each season lasting ---- 40 years.

- A) to / from
- B) from / about
- C) in / under
- D) over / at
- E) of / through

8. Arithmetic, which is a branch of mathematics, developed slowly ---- the course of human history, primarily as a result ---- the need for counting.

- A) in / on
- B) as / in
- C) over / of
- D) with / about
- E) during / from

9. After crude oil is extracted ---- the soil, it is sent to a processing plant by pipeline, ship or barge, and at the processing plant, different parts of the crude oil are split ---- utilizable petroleum products.

- A) through / to
- B) with / about
- C) from / into
- D) at / over
- E) on / for

10. Last summer, the Civil Aviation Authority, the pilots' union BALPA and air traffic control company NATS ----- a drone safety campaign.

- A) devastated
- B) questioned
- C) penetrated
- D) deserted
- E) launched

11. Built by a UK engineering firm for use by authorities ----- the police, a new tool first uses a laser rangefinder and on-board computer to calculate the speed and position of a drone.

- A) such as
- B) similar to
- C) as in
- D) in case of
- E) prior to

12. Only a few generations ago, dogs were bred to ---- certain characteristics that were appropriate for specific jobs, such as guarding and hunting.

- A) cover
- B) bear
- C) split
- D) soothe
- E) lead

13. Like their present day breeds, wolves that lived in the ---- past used the 'learning centres' in their brains to deal with problems encountered in the wild.

- A) upturned
- B) close
- C) disqualified
- D) distant
- E) obvious