Name: _____ Class: _____ Class no.: _____ Date: _____
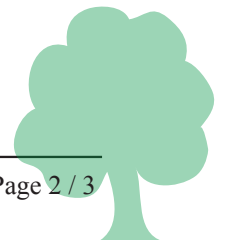
A. Carbon Footprint and Climate Change

A. Carbon Dioxide (CO2)	B. Methane (CH4)	C. Water vapour (H2O)
D. Nitrogen (N2)	E. Oxygen (O2)	F. Ozone (O3)
G. Chlorofluorocarbon (CFCs)	H. Nitrous oxide (N2O)	

1. Which two are not greenhouse gases?   _____

2. Which gas is the main greenhouse gas in the atmosphere? _____

3. Which one is mainly contributed by human activities? _____

4.Which greenhouse gas is manufactured by human? _____

5. What is climate?

  A. Average of weather over at least 30 years

  B. Average of weather over at least 25 years

  C. Average of weather over at least 20 years

  D. Daily weather

6. The concentration of carbon dioxide in pre-industrial revolution was 280ppm. What is the
  concentration of carbon dioxide now?

  A. 400 ppm B. 500 ppm C. 600 ppm D. remain unchanged

7. The Great Ocean Conveyor Belt is driven by_____.

  A. Temperature and Dissolved Oxygen

  B. Salinity and Dissolved Oxygen

  C. Temperature, Salinity

  D. Temperature and Salinity, and Dissolved Oxygen

8. Which of the following is calculated by the figures from dry-bulb temperature and wet-bulb
  temperature collated by Hong Kong Observatory?

  A. Rainfall B. UV index C. Relative Humidity D. Absolute Humidity

9. The Hong Kong Observatory will issue Cold Weather Warning when the temperature is
  lower than ____ and Hot Weather Warning when temperature is higher than _____.

  A. 10 °C; 35 °C B. 10 °C; 33 °C C. 12 °C; 35 °C D. 12 °C; 33 °C

10. The Hong Kong Observatory releases Meteorological balloons at _____every day at King's Park Meteorological Station.

    A. 12 a.m/p.m.   B.10 a.m/p.m.   C. 9 a.m/p.m.   D. 8 a.m/p.m.

11. Early afforestation scheme introduced exotic trees such as _____.

    A. Taiwan Acacia (*Acacia confusa*)   B. Brisbane Box (*Lophostemon confertus*)

    C. Slash Pine (*Pinus elliottii*)   D. All of the above

12. Which of the following insect undergoes complete metamorphosis?

    A. Dragonfly   B. Cicadas   C. Butterfly   D. Grasshopper

13. Which of the following feature correctly describes Hong Kong Newt (*Paramesotriton hongkongensis*)?

    A. orange markings at ventral surface

    B. green markings at dorsal surface

    C. white markings at ventral surface

    D. No marking at body

14. Which of the following is not the Grand Trio？

    A. Antarctic   B. Arctic   C. Sahara Desert   D. Himalayas

15. Which of the following is not the feature of Antarctic Crocodile Icefish?

    A. scalesless skin

    B. rare red blood cells

    C. invertebrate

    D. translucent body

16. Which of the following is NOT the potential impact of climate change?

    A. enhance agricultural production

    B. coastal infrastructure damaged by rising sea level

    C. Control of infectious diseases in tropical area

    D. extreme weather getting more frequent

Prickly Ash

◉   ◉   Located at the highest place in Hong Kong. About _____ meters.

Turn-in-the-wind

◉   ◉   Leaves are soft and hairy.

Common Melastoma

◉   ◉   The trunks bear spikes. Villagers shaved the spikes and made perfect hiker's canes or a club for grinding grains in the old days.

Tai Mo Shan Weather Radar Station

◉   ◉   The leaves turn mottled black when wither. Often showing irregular chew marks formed by insects.

Waxy Leaf

◉   ◉   The leaf is white on the underside. This pale side is visible when the leaf dances and turns in the wind to create a wave-like effect.