



C.C.C. Heep Woh College

Newsletter of

Science Society

October, 2026

# Animal protection

## 1. Animal cruelty 動物虐待

Have you ever thought about how to protect the animals in danger? Stopping animal cruelty is one of the most important ways to do so.

Animal cruelty includes

- Beating, kicking, torturing, or terrifying animals intentionally
- Neglecting 疏忽照顧 : not giving enough food, water, exercise or medical treatment to the animals for a long period of time through unreasonable factors
- Abandoning animals 遺棄動物
- Illegal slaughter 非法屠宰

All acts above (animal cruelty) are illegal and unlawful.

## 2. Animal Welfare groups in HK

- Society for the Prevention of Cruelty to Animals (SPCA)
- Society for Abandoned Animals (SAA)
- Animals Asia 亞洲動物基金

### 3. How animals react to abuse

When animals are hurt, some chemicals are released such as:

#### (a) Adrenaline

- Releases when animals are physically in threat or when they are hurt.
- Causes the animal's heart rate, blood pressure to rapidly rise and redirects glucose to muscles to help the animal escape.
- If the animal is too frightened, it will cause adrenaline level to remain high, sudden cardiac arrest might occur, causing the animal's heart to stop beating.

#### (b) Cortisol

- A kind of steroid hormone that helps animals to adapt to changes. However, when animals are under severe and prolonged stress like being abused consistently, cortisol level spikes.
- Animals under high cortisol levels have a significantly weaker immune system, making them prone to diseases, halts hair growth, causing animals to lose their hair and fur rapidly.

#### (c) Serotonin

- When animals undergo chronic abuse, raphe nuclei, the part of the nervous system responsible for producing serotonin fails to produce sufficient serotonin, causing serotonin level to drop.
- Serotonin helps animals regulate impulsive behaviours, when serotonin level drops, animals become very aggressive and reactive, showing aggressive behaviour over small changes.
- When serotonin level is insufficient to regulate the animal's mood, the animal suffers from depression. Since serotonin is mostly stored in guts, when serotonin level is abnormal, the gastrointestinal system malfunctions too, causing diarrhoea, loss in appetite etc.

## 4. What can we do?

If we found out animal cruelty, what should we do in order to protect the animals? The first priority is **always our own safety**. You should first find a safe place or just leave from there.

- Make sure you are NOT being seen or putting yourself in danger;
- Then note the exact date, time, and location where the abuse happened;
- Tell your parents or a trusted adults, and they may report these details through reporting lines:
  - 999 (HK Police Force)
  - 1823 (Agriculture, Fisheries and Conservation Department)
  - 2711 1000 (SPCA 愛護動物協會)

## 5. Conclusion

Animals have different reactions when they were abused.

Remember, animal cruelty is strictly prohibited in Hong Kong by laws. Therefore, animal protection is significant for all of us to take actions. Let's help build the society filled with care for animals.



# Monthly Question (Oct)

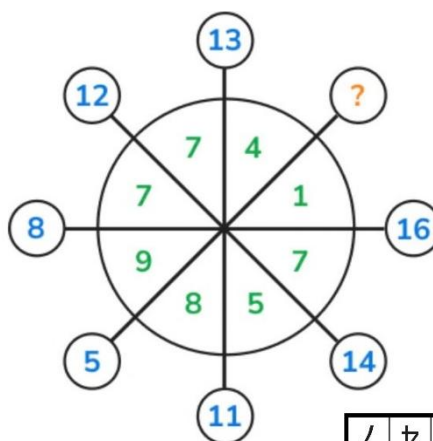
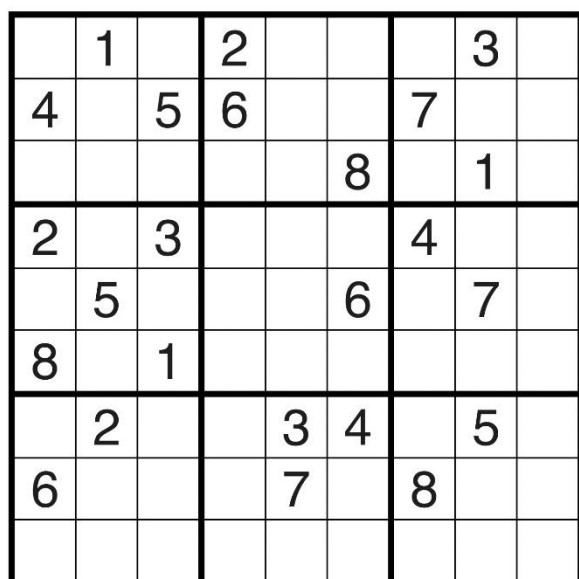


If you can answer 2 quizzes in  
First Term all correctly, you will  
get 0.5 bonus mark in I.S. / Chem  
/ Phy / Bio !

Deadline: 12/10/2026



## Relaxing Zone



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| 3 | 2 | 8 | 7 | 5 | 9 | 6 | 4 | 9 |
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| 1 | 7 | 6 | 8 | 3 | 4 | 5 | 9 | 6 |
| 5 | 8 | 7 | 9 | 1 | 3 | 6 | 2 | 8 |
| 4 | 1 | 6 | 8 | 5 | 7 | 2 | 9 | 3 |
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