



# 奧冠教育中心

OLYMPIAD CHAMPION EDUCATION CENTRE

Room 309-310, 8 Jordan Road, Yau Ma Tei, Kowloon, Hong Kong SAR, CHINA

Tel (852) 3153 2028 / 9310 1240 Fax (852) 3153 2074

Website: www.olympiadchampion.com Email: olympiadchampion@gmail.com



Hong Kong International  
Science Olympiad

## 香港國際科學競賽初賽 2019 - 2020 (香港賽區)

### HONG KONG INTERNATIONAL SCIENCE OLYMPIAD

### HEAT ROUND 2019 - 2020 (HONG KONG REGION)

# 小學三年級 Primary 3

時限: 60 分鐘

Time allowed: 60 minutes

## 模擬試題

## Mock Paper

### 考生須知:

#### Instructions to Contestants:

1. 本卷包括 試題 乙份, 試題紙不可取走。  
Each contestant should have ONE Question-Answer Book which CANNOT be taken away.
2. 本卷共 4 個範疇, 每範疇有 5 題, 共 20 題, 答對得 2 分, 空題得 0 分, **答錯倒扣 1 分。**  
There are 4 exam areas and 5 questions in each exam area. There are a total of 20 questions in this Question-Answer Book. Two points for correct answers. No points for incorrect answers. **ONE penalty point will be deducted for incorrect answers.**
3. 請將答案寫在 **答題紙** 上。  
All answers should be written on ANSWER SHEET.
4. 比賽期間, 小學組不得使用計算工具, **中學組可以使用計算工具。**  
During the contest, NO calculators can be used for PRIMARY GROUP **but calculators can be used for SECONDARY GROUP.**
5. 本卷中所有圖形不一定依比例繪成。  
All figures in the paper are not necessarily drawn to scale.
6. 比賽完畢時, 本試題會被收回。  
This Question-Answer Book will be collected at the end of the contest.

本試題不可取走。

請將答案寫在 

答題紙
-----

 上。

All answers should be written on the ANSWER SHEET.

---

THIS Question-Answer Book CANNOT BE TAKEN AWAY.

未得監考官同意，切勿翻閱試題，否則參賽者將有可能被取消資格。

DO NOT turn over this Question-Answer Book without approval of the examiner.

Otherwise, contestant may be DISQUALIFIED.

請將答案寫在 **答題紙** 上。

All answers should be written on the ANSWER SHEET.

選擇題 (第 1 至 20 題) (答對得 2 分, 空題得 0 分, 答錯倒扣 1 分)

Multiple Choice Questions (1<sup>st</sup> ~20<sup>th</sup>) (Two points for correct answers. No points for incorrect answers. **ONE penalty point will be deducted for incorrect answers.**)

Physics

物理

1. What temperature is needed for water to freeze?

水在多少溫度才會結冰?

A	B	C	D	E
-100°C	0°C	25°C	50°C	100°C

2. Which one below is a satellite?

以下哪一項是衛星?

A	B	C	D	E
Earth	Sun	Moon	Uranus	Mercury
地球	太陽	月球	天王星	水星

3. How long does the Earth take for one revolution?

地球公轉一圈需時多久?

A	B	C	D	E
1 hour	1 day	1 week	1 month	1 year
1 小時	1 日	1 星期	1 個月	1 年

4. Which substance below can float on water?

以下哪一項能夠浮在水面?

A	B	C	D	E
Television	Pencil	Marble stone	Shrimp	Peanut oil
電視	鉛筆	大理石	蝦	花生油

5. If Ming stands in front of a convex mirror, what is the size of the image compared to Ming's?

如果小明站在一塊凸面鏡前, 那影像的大小相比起小明會怎樣?

A	B	C	D	E
Larger	Smaller	The same	Shorter but wider	No image formed

請將答案寫在 **答題紙** 上。

All answers should be written on the ANSWER SHEET.

較大	較小	一樣	較矮但較闊	沒有影像產生
----	----	----	-------	--------

Biology  
生物

6. Which substance below is needed for all plant to breath?

以下哪項所有植物都需要來用作呼吸?

A	B	C	D	E
Soil	Water	Sunshine	Oxygen	Carbon dioxide
泥土	水	陽光	氧氣	二氧化碳

7. Which animal below is fish?

以下哪種動物是魚類動物?

A	B	C	D	E
Frog	Octopus	Sea horse	Bear	Fly
青蛙	章魚	海馬	熊	蒼蠅

8. Which organ of human below is not a part of respiratory system?

以下哪個人體器官不屬於呼吸系統的一部份?

A	B	C	D	E
Lungs	Mouth	Nose	Trachea	Bronchus
肺	口	鼻	氣管	支氣管

9. Which group of animal is mainly viviparous animal?

哪種動物類別主要是胎生動物?

A	B	C	D	E
Amphibian	Bird	Mammal	Reptile	Fish
兩棲類動物	鳥類	哺乳類動物	爬行類動物	魚類

10. Which group of animal do crocodiles belong to?

鱷魚屬於以下哪種動物類別?

A	B	C	D	E
---	---	---	---	---

請將答案寫在 **答題紙** 上。

All answers should be written on the ANSWER SHEET.

Amphibian	Bird	Mammal	Reptile	Fish
兩棲類動物	鳥類	哺乳類動物	爬行類動物	魚類

Chemistry  
化學

11. Which substance below is solid in room temperature?

下列哪項在室溫下是固體?

A	B	C	D	E
Sugar	Toothpaste	Vinegar	Blood	Chlorine
糖	牙膏	醋	血	氯氣

12. Which element below is a metal?

下列哪個元素是金屬?

A	B	C	D	E
Boron	Iodine	Titanium	Bromine	Silicon
硼	碘	鈦	溴	矽

13. Which condition(s) is required for burning?

以下哪個(些)條件在燃燒時是必要的?

A	B	C	D	E
Oxygen	High temperature	Fuel	All of the above	None of the above
氧氣	高溫	燃料	以上皆是	以上皆不是

14. Which metal is usually used to make bridge?

以下哪種金屬通常用來建造橋?

A	B	C	D	E
Copper	Calcium	Iron	Lithium	Platinum
銅	鈣	鐵	鋰	鉑

請將答案寫在 答題紙 上。

All answers should be written on the ANSWER SHEET.

15. What element is graphite made of?

石墨是由甚麼元素組成?

A	B	C	D	E
Gold	Phosphorus	Carbon	Lead	Sulphur
金	磷	碳	鉛	硫

Integrated Science

綜合科學

16. Which substance below can conduct electricity?

以下哪一項能夠導電?

A	B	C	D	E
Wool	Pure water	Aluminium	Rubber	Book
羊毛	純水	鋁	橡膠	書

17. What is the colour of the flame while wood is burning?

當木材燃燒時，火焰是甚麼顏色?

A	B	C	D	E
Black	White	Orange	Blue	Green
黑色	白色	橙色	藍色	綠色

18. Who is the inventor of dynamite?

誰發明了矽藻土炸藥?

A	B	C	D	E
Thomas Edison	Stephen Hawking	Galileo Galilei	Alfred Nobel	Albert Einstein
愛迪生	霍金	伽利略	諾貝爾	愛因斯坦

19. Which substance below is the lightest if they are the same size?

如果以下物品都是同樣大小，哪項物品會是最輕?

A	B	C	D	E
---	---	---	---	---

請將答案寫在 **答題紙** 上。

All answers should be written on the ANSWER SHEET.

---

Carbon dioxide	Ink	Apple	Iron nail	Thread
二氧化碳	墨水	蘋果	鐵釘	線

20. Why should we wash our hand with water before eating?

為何我們應在進食前先用水洗手?

A	B	C	D	E
To kill the bacteria on our hands	To remove the bacteria on our hands	To keep our hands moist	To replenish water	To make a protective layer on hands
殺死手上的細菌	帶走手上的細菌	保持雙手滋潤	補充身體水分	提供保護層給雙手

~ 全卷完 ~

~ End of Paper ~