


生物策略表

類別	生物策略 (Strategy)
生物策略 STRATEGY	卷曲成球狀作為保護 (Rolling into a ball for protection)
生物系統 LIVING SYSTEM	長鼻犰狳 <i>Dasypus hybridus</i> (Long-nosed armadillos)
功能類別 FUNCTIONS	#改變大小/形狀/質量/體積 #保護免受動物危害 #Modify size/shape/mass/volume #Protect from animals
作用機制標題	犰狳和其他生物透過卷曲成球狀並減小其表面積來保護自己免受掠食者危害 (Armadillos and other creatures protect themselves from predators by rolling into a ball and reducing their surface area)
生物系統/作用機制 示意圖	 <p>Source: https://upload.wikimedia.org/wikipedia/commons/7/7f/9-banded-armadillo.jpg</p>
作用機制摘要說明 (SUMMARY OF FUNCTIONING MECHANISMS)	
文獻引用 (REFERENCES)	
<p>「許多較大型生物都知道盡可能保持最小表面積的重要性。卷曲成球狀是一種簡單而有效的防禦方式，被鼠婦 (woodlouse, 其它中文譯名尚有土蠶、潮蟲.....) (潮蟲亞目)、刺猬和犰狳等多種生物所使用。透過在球體表面添加某種形式的柔韌性裝甲，甚至更有效。所有脆弱和重要的器官和四肢都被塞進保護殼內，它們給捕食者提供了令人沮喪的球類遊戲，而非一頓大餐。」 (Foy and Oxford Scientific Films 1982: 21)</p> <p>“Many larger creatures recognize the value of having the least possible surface area. Rolling into a ball is a simple but effective form of defence, used by creatures as diverse as the woodlouse, the hedgehog, and the armadillo. The economy of shape is made even more effective by adding some form of flexible armour-plating on the surface of the sphere. All the vulnerable and vital organs and limbs are tucked away inside the protective casing, presenting a predator with a frustrating ball game instead of a meal.” (Foy and Oxford Scientific Films 1982:21)</p>	

參考文獻清單與連結 (REFERENCE LIST)

Foy, S. (1983). *The grand design: form and colour in animals*. London, England: Prentice-Hall.

延伸閱讀: Harvard 或 APA 格式

生物系統延伸資訊連結 (LEARN MORE ABOUT THE LIVING SYSTEM/S)

<https://en.wikipedia.org/wiki/dasypodidae>

<https://www.onezoom.org/life/@dasypodidae>

<https://eol.org/pages/7630>

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AskNature 原文連結

<https://asknature.org/strategy/rolling-into-a-ball-for-protection-2/>