**科技領域八年級112學年度第一學期補考 班級\_\_\_\_ 座號\_\_\_\_ 姓名\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* 能源是指可提供能量（光、熱等）與動力的物質，例如：水、太陽、風、煤、石油、天然氣、地熱和電等。
* 非再生能源指化石燃料及核燃料等，要經過開採與加工過程，才能轉化為能源。其蘊藏量有限，屬於消耗性能源，工業革命後開始被人類大量使用，一經開採使用之後就無法再恢復，所以更需要珍惜使用。
* 科技系統的運作，包括目標、輸入、處理、輸出、回饋等重要因素，整個系統的運作過程中，必須有持續且完整的監控機制，確認系統運作正常，其中「輸入、處理、輸出」是系統運作最基本的要素。
* 無熔絲開關有不同承受電流的規格，常見的有10A～50A，當無熔絲開關的迴路同時使用過多的電器，超過該組電線可以承受的電流時，開關就會自動跳開，將該迴路斷電以保護電器。
* 在我們的日常生活中，處處可見各種搜尋與排序的應用，比方說，打開書本翻到指定的頁碼，有同學會從封面往後面翻頁來尋找；有同學會從封底往前面翻頁來尋找；也有同學從中間開始尋找，如果要找的頁碼比較少，就往前面翻頁尋找，如果要找的頁碼比較多，就往後面翻頁尋找。以上各種尋找指定頁碼的作法，其實，就是搜尋的動作，兩種常見的搜尋法，包括：「循序搜尋法」與「二分搜尋法」。
* 在日常生活中也常常會見到，將資料依照規則來排列的動作，其規則可能是依照遞增或遞減的方式，像是學校升旗時將學生依照身高來排隊，或將全班成績按照分數高低進行排名等，這些都是依照規則進行排序的動作，三種常見的排序法，包括：「選擇排序法」、「插入排序法」與「氣泡排序法」。

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