



# Neurological Nasties

## XXIX

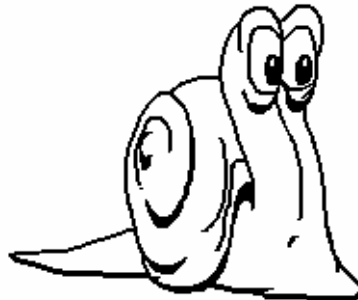
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1. Some more hidden meanings.

- |                             |  |                     |            |
|-----------------------------|--|---------------------|------------|
| (a) ANGLE<br>ANGLE<br>ANGLE | (b) POLMUMICE                                  | (c) R B<br>A<br>I N | (d) AALLLL |
| (e) <del>THE FIFTH</del>    | (f) I I I I I I I I I I<br>S S S S S S S S S S | (g) KINGS<br>KINGS  | (h) LIS    |

2. Slippery Sam the snail is at the bottom of a well and decides to make his way to the top. He climbs up 30 cm each day, but then slips back 20 cm during his night-time sleep. The well is 2 m deep. How long will it take Sam to reach the top of the well ?



3. A 3 cm long extra heavy duty elastic band is fixed at one end. A small slug (Slippery Sam's cousin) crawls along it at the rate of 1 cm per minute. After 1 minute the band is stretched by 3 cm. The slug then crawls along at the same rate and after 1 minute the band is stretched a further 3 cm. This cycle continues at the end of each minute until the slug reaches the end of the band.

Assuming that the band is capable of being stretched so far, how long will it take the slug to reach the end ? Just give your answer to the nearest minute.

Helpful Hint: After 1 minute the slug will be 2 cm from the fixed end of the elastic band.

