**Choose the correct headings for sections A-E from the list of headings below.**

**Write the correct number, i-ix, in boxes 1-5 on your answer sheet.**

List of Headings

i. Mushrooms that glow in the dark

ii. Bright creatures on land and in the sea

iii. Evolution's solution

iv. Cave-dwelling organisms

v. Future opportunities in biological engineering

vi. Nature's gift to medicine

vii. Bioluminescence in humans

viii. Purposes of bioluminescence in the wild

ix. Luminescent pets

1 Section A

2 Section B

3 Section C

4 Section D

5 Section E

**Choose FOUR letters, A-G.**

**Write the correct letters in boxes 6-9 on your answer sheet.**

**Which FOUR uses are listed for bioluminescence in nature?**

A. ways of attracting food

B. tracing the spread of diseases

C. mating signals

D. growing trees for street lighting

E. drug trials

F. defensive tactics

G. a torch to identify food

**Complete the sentences below.**

**Choose NO MORE THAN TWO WORDS from the passage for each answer.**

**Write your answers in boxes 10-13 on your answer sheet.**

10 The luminescent fluid that a Vampire Squid emits has a \_\_\_\_\_\_ effect on its predator.

11 In order to use bioluminescence in a trans-genetic environment, \_\_\_\_\_\_ must first be removed from a bioluminescent creature.

12 One advantage of BLI is that it could allow researchers to see how a treatment is working without altering or disturbing \_\_\_\_\_\_.

13 In the future, \_\_\_\_\_\_ may be able to use bioluminescence to identify evidence on dead bodies.