

DEEP SEA DIVE: LET'S EXPLORE!

Welcome, research scientist! Take a deep breath and imagine diving into the coldest, darkest, and most mysterious ocean on Earth. Fill in the blanks by doing research in books, online, or ask a scientist on the Greenpeace Dive Stream video.

1. We know more about the surface of the Moon than the deep sea yet, the deep sea makes up _____% of our oceans!

2. Over 75% of animals in the Midnight Zone (1,000 - 4,000m deep) create their own light. The process is called _____ and they do this by

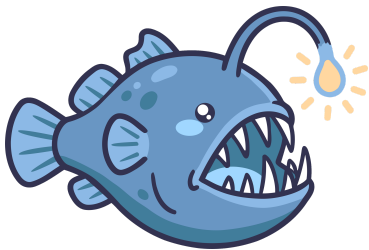
_____.

3. There is no sunlight in this zone, so _____ can't grow.

4. Marine snow is a term to describe _____

_____.





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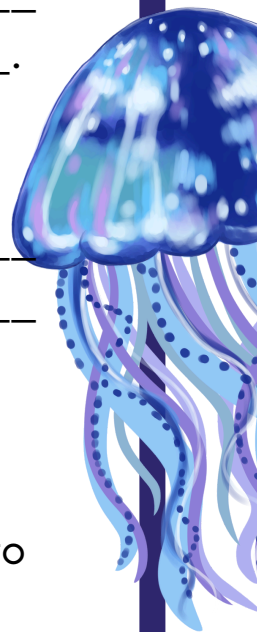
5. Many animals in the Twilight Zone (200 - 1,000m deep) are red because

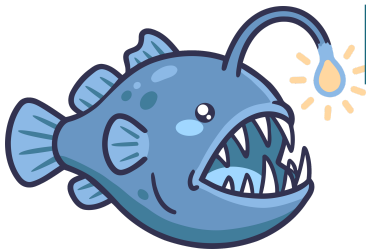
6. Counter illumination is when animals like fish or squid

so they don't cast a shadow to animals looking at them from below.

7. Since they can't see, many fish here have _____ to feel _____ when a predator or snack is nearby.

8. **Find your own fact** about the deep sea and ask a friend to fill-in-the-blanks!





DEEP SEA DIVE: ANSWER KEY

Welcome, research scientist! Take a deep breath and imagine diving into the coldest, darkest, and most mysterious ocean on Earth. Fill in the blanks by doing research in books, online, or ask a scientist on the Greenpeace Dive Stream video.

1. We know more about the surface of the Moon than the deep sea yet, the deep sea makes up **90-95%** of our oceans!
2. Over 75% of animals in the Midnight Zone (1,000 - 4,000m deep) create their own light. The process is called **bioluminescence**, and they do this by **using a special chemical reaction in their bodies**.
3. There is no sunlight in this zone, so **plants** can't grow.
4. Marine snow is a term to describe **tiny bits of organic matter, debris, and food from ocean zones above**.
5. Many animals in the Twilight Zone (200 - 1,000m deep) are red because **there is no red sunlight this deep in the ocean, so they appear completely black and invisible to predators!**
6. Counter illumination is when animals like fish or squid **illuminate its underside/ belly** so they don't cast a shadow to animals looking at them below.
7. Since they can't see, many fish here have **sensitive hairs** to feel **vibrations** when a predator or snack is nearby.

Find your own fact about the deep sea and ask a friend to fill-in-the-blanks!

