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The geometry behind the hexagonal beehives is so fascinating! I learned that the shape of beehives is not an accident, but rather a marvelous design of nature. The six-sided hexagon is a shape that provides the most area with the least amount of perimeter; in other words, bees can store more honey inside each tube while using less energy to construct their home. While bees know to do this since the dawn of nature's creation, it takes a tremendous effort of mathematicians to be able to understand this beautiful geometric truth behind the beehive's shape. This is just one of the many instances where seemingly simple patterns in nature actually stem from far greater and more complex systems of survival and adaptation that allow millions of species to live from the birth of their creation to today. I strongly believe that nature can offer humans a lot of insight on how to effectively organize our society - both in the abstract sense such as in the management of our economics or other dynamics of our society as well as in the physical sense such as in how we design our homes and buildings. For example, we can be inspired by the beehive hexagon to build large storage of water in the hexagonal shape to hold more water while being efficient. Systems of ventilation such as heat tubes or ventilation pipes can also be designed in the hexagonal shape as it dissipate heat well. Nature is wondrous; although humankind have just discovered complex systems of energy conservation and other mind-blowing mechanisms of the creatures and plants, they have been thriving for millenniums long before we even exist. We really should focus more on what we can learn from the simple patterns of nature around us as it might hold answers to the most intricate system that we not even imagine.



THE SECRET OF BEEHIVES

WHY HEXAGON?

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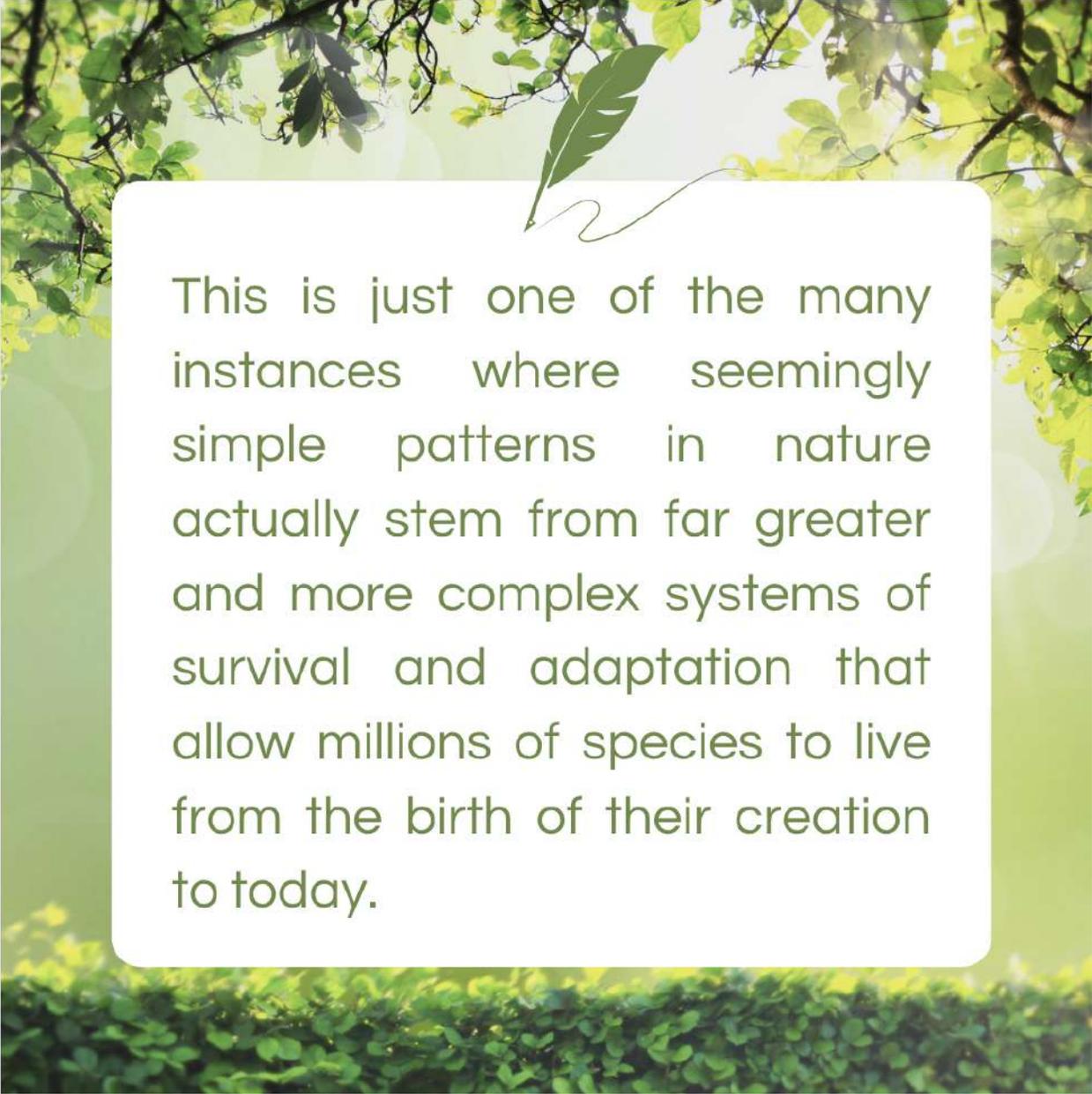


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Reminder

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Instagram post:



The image shows an Instagram post with a background of a honeycomb. On the left, a bee is shown on a flower. The post contains text explaining why hexagons are used in beehives. The text is presented in a clean, modern layout with a white background and yellow accents.

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