**NOTES: Chapter 19 History of Life on Earth Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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1. **Early \_\_\_\_\_\_\_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_\_\_\_\_**
2. **\_\_\_\_\_\_\_\_\_\_\_\_ is thought to have \_\_\_\_\_\_\_\_\_\_ about \_\_\_\_\_\_\_\_\_\_ billion years ago.**
	* **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ theorize that \_\_\_\_\_\_\_\_\_ began as a \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ of rock.**
3. **\_\_\_\_\_\_\_\_\_\_\_\_\_ hypothesize the \_\_\_\_\_\_\_\_\_ living organism appeared in \_\_\_\_\_\_\_\_\_\_ about \_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_ billion years ago.**
4. **A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_**
5. **No \_\_\_\_\_\_\_\_\_\_ have \_\_\_\_\_\_\_\_\_ to provide direct \_\_\_\_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_\_ earliest years.**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_ rocks on \_\_\_\_\_\_\_\_\_\_\_\_ are only about \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ billion years old.**
1. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_-------- to become \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, organisms have to be \_\_\_\_\_\_\_\_\_\_\_ in \_\_\_\_\_\_\_\_\_\_\_\_\_----- small \_\_\_\_\_\_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_, or \_\_\_\_\_\_\_\_\_\_----soon after they die.**
2. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Time \_\_\_\_\_\_\_\_\_\_\_\_\_**
3. **The \_\_\_\_\_\_\_\_\_ is based on the \_\_\_\_\_\_\_\_\_\_\_\_ types of \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ that have appeared during \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
4. **\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_**
5. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Era**
6. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Era**
7. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Era**
8. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Era**

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1. **The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of Life**
2. **The Early Ideas**
3. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ----a process by which \_\_\_\_\_\_\_\_\_ was \_\_\_\_\_\_\_\_\_\_ to be \_\_\_\_\_\_\_\_\_\_\_\_ from non-living \_\_\_\_\_\_\_\_\_\_\_\_.**
4. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_---- the \_\_\_\_\_\_\_\_\_ that \_\_\_\_\_\_\_\_\_\_\_ organisms come from \_\_\_\_\_\_\_\_\_ other \_\_\_\_\_\_\_\_\_\_\_\_\_ organisms.**
5. **The Modern Ideas**
* **The \_\_\_\_\_\_\_\_\_\_\_ of biogenesis has been accepted by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ for more than \_\_\_\_\_\_\_\_\_ years.**
* **How did \_\_\_\_\_\_\_\_\_\_ begin on \_\_\_\_\_\_\_\_\_\_\_?**
* **\_\_\_\_\_\_\_\_\_\_\_\_\_ hypothesis about the \_\_\_\_\_\_\_\_\_ of \_\_\_\_\_ came from analyzing different \_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and not just \_\_\_\_\_\_\_\_\_\_\_.**
* **There are \_\_\_\_\_\_\_\_\_\_\_ competing \_\_\_\_\_\_\_\_\_ about the \_\_\_\_\_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_.**