

“The LDEO Core Repository: Questions to Enhance Your Visit”

1. Describe briefly how the “piston core” samples were collected by Lamont ships.

2. Describe brief how the *JOIDES Resolution* drilling ship obtains cores.

3. Provide brief descriptions of each of these types of organisms/materials found in cores.

Material	Description
Diatoms	
Foraminifera	
Radiolaria	
Coccolithophores	
Ice-rafted debris	
Pteropods	

4. Describe briefly at least three important discoveries about Earth’s Past which can be learned through the study of microfossils.

5. Describe briefly how cores are processed to obtain their microfossils once they arrive at the Core repository.

6. What difference was noticed about the microfossils below and above the “Asteroid Impact Layer”?

7. Pick one of the sample cores on the display table and describe briefly the interesting story about Earth’s Past that we have learned by studying it.

8. What else was of particular interest to you in the Core repository?