

# Geology Telecourse

Name of the Student .....



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## Quiz-1

Geol-101: **Physical Geology**  
(**"EARTH REVEALED"** Telecourse)  
Course #7695, Spring-2006

March 7, 2006

Dear "Earth Revealed" student:

Trust you have been enjoying watching the "Earth Revealed" videos, episodes 101-4 of which have been telecast already, and reading the book and the handouts that were provided. Here is the Quiz that you have been waiting for. It is due back on March 10, 2006 when we will have our 2<sup>nd</sup> class meeting (6-9 PM: CS-266) and the 1<sup>st</sup> class Test.

**The Himalayan peak, Mount Annapoorna, is made up of limestones with ammonite fossils that can be dated at about 200 million years in age. Noting that limestone is essentially a marine rock, and that ammonite was a deep-sea creature, can be use this information to argue that ...**

- |   | <u>True</u>              | <u>False</u>             |
|---|--------------------------|--------------------------|
| 1. a deep ocean once existed where we now have these lofty Himalayan peaks?                                       | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. these mountains have been upraised from the ocean bottom because of intense volcanic activity underneath them? | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. limestone can form from catastrophic underwater volcanism?   | <input type="checkbox"/> | <input type="checkbox"/> |

**Ocean floor has rocks no older than about 200 million years in age, compared to the 0-4,000 million years old rocks on the land, but the Earth has not expanded appreciably in its approximately 4,500 million years long history. Clearly ...**

- |   | <u>True</u>              | <u>False</u>             |
|---|--------------------------|--------------------------|
| 4. new surface area created at the spreading submarine ridges balances the surface area lost in folded mountain belts and deep sea trenches.        | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Earth's surface has expanded three-fold in the past 200 million years, because oceans cover about 70% of the Earth's surface and land about 30%. | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. no ocean floor existed until about 200 million years ago.  | <input type="checkbox"/> | <input type="checkbox"/> |

As you know, the SI (supplemental instruction) meeting too will be held on March 10, also in CS-266, for an hour before our scheduled class meeting (i.e., from 5 to 6 PM).

Sincerely,

Poorna Pal, MS MBA Ph.D.  
Chair, Geology & Oceanography Program  
and the Class Instructor

