



MOUNTAIN ACTIVITY 2

STUDENT RESPONSE PAGE

NAME _____

GHOST HUNTING: FINDING HIDDEN MOUNTAINS!

HOW DO THESE MOUNTAINS MEASURE UP?

1. HOW BIG IS THE GABURTSEV MOUNTAIN RANGE ? _____ *
2. HOW DOES THIS COMPARE TO YOUR STATE? WHAT IS THE AREA OF YOUR STATE? _____ *
3. WHICH ONE IS LARGER, YOUR STATE OR THE GAMBURTSEVS? _____
4. WHAT STATE FROM THE LIST IS CLOSEST IN SIZE TO THE GAMBURTSEV MOUNTAIN RANGE? _____

* BE SURE TO INCLUDE UNITS IN STEPS #1 AND #2

WHAT'S IN A LAYER?

5. ON THE IMAGE BELOW LABEL THE OLDEST ICE AND THE YOUNGEST ICE ON THE Y AXIS.
6. MARK THE OLDEST LAYER OF WINTER ICE YOU CAN TRACE ACROSS THE IMAGE. WHAT DEPTH IS THIS? _____
7. DOES IT FLOW IN A STRAIGHT LINE OR DOES IT FOLLOW THE SHAPE OF THE MOUNTAINS? _____
8. HOW FAR UP IS THIS LAYER OF ICE FROM THE TALLEST MOUNTAIN PEAKS? _____
9. HOW FAR UP IS THIS LAYER OF ICE FROM THE SHORTEST MOUNTAIN PEAKS? _____
10. DID YOU THINK THE MOUNTAINS WOULD HAVE THIS KIND OF IMPACT ON THE ICE? _____ EXPLAIN YOUR ANSWER

Lamont-Doherty Earth Observatory

For more activities see: <http://www.ldeo.columbia.edu/edu/polareducation/>

