

Name: _____ Date: _____

Quiz
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Quiz: NY Times sand article

1. _____ Which two (2) were **not** viewed in the interactive map portion of the HW?
 - (1) Sand composed mostly of fragments of broken concrete
 - (2) Sand composed of broken pieces of shells
 - (3) Sand of volcanic origin
 - (4) Very soft sand that was mostly talc mixed with smaller amounts of graphite
 - (5) Black sand
 - (6) Light colored sand
 - (7) Reddish sand

2. _____ Which of the following was in the NY Times article you read?
 - (1) an inflatable boat referred to as GUTET floats in calm bays detecting volcanic sands on the bottom that are rich in pyroxene
 - (2) a team of 3 to 5 scuba divers stay submerged for hours near the heavy surf of Oahu, Hawaii visually recording underwater sand dune formation and destruction
 - (3) a group calling themselves ATLAS travels the beaches of Southern California and Mexico searching for valuable pockets of dark-colored dense sand that contains valuable metals such as platinum and chromium
 - (4) One man's simple hobby of collecting sand turned into a money-making career of collecting specific sand types for use by the world's top glass blowers
 - (5) the program called ARGUS measures how sand and sand bars move near the shoreline
 - (6) locals in a small town in Washington State fought state government for removal of a dam that greatly reduced the supply of sand to the town's ocean shoreline
 - (7) a detailed study of sand by the US Army Corps of Engineers was undertaken in order to find the best source of sand for filling sand bags to prevent river flooding along the Mississippi and Missouri Rivers

3. _____ According to the article...
 - (1) The study of sand erosion along the coast reveals that 60-70% of all lighthouses on the west coast of the US are in danger of falling into the ocean by 2035
 - (2) The study of sand bar movement concluded that their movement is more complex than had been previously thought
 - (3) An underwater sea cave revealed sand deposits that are over 40,000 yrs old
 - (4) One man found 4 different locations in Northern Alaska that have sand composed mostly of fragments of ancient whale bones
 - (5) Most sand along the east coast of North America contains 4 to 6 times more gold than experts had thought
 - (6) The metamorphic origin of most sand proves that Earth's crust has undergone much more crustal uplift over the past 300 million years than previously thought