

NAME:

1. What creates surface currents in the ocean?

2. Where do deep cold ocean currents form (start)?

3. **Alcatraz** was a maximum high-security Federal prison on Alcatraz Island, **just 1.25 miles off the coast of San Francisco, California**, which operated from 1934 to 1963. During its 29 years of operation, the penitentiary claimed that **no prisoner successfully escaped**.

Out of 14 escape attempts made by a total of 36 prisoners, 7 men were “lucky” enough to get “safely” into the water...

Question: what is the main NATURAL reason why they were not able to reach the shore? (Hint: Natural means “coming from nature”. Refer to Slide #3-4 of Lecture 20; look specifically for the *surface current* that passes Northern California...what kind of current is that?)