

Extra Questions

Extra Questions

(1) The phlogiston [[FLAH-jih-stun]] theory was debunked following discoveries about the role of this element in combustion. Chlorofluorocarbons have damaged a layer of the Earth's atmosphere comprised of an allotrope of this element. That allotrope, ozone, is made up of three instead of two atoms of this element. For the point, name this gas which comprises about 20% of the Earth's atmosphere and is necessary for aerobic respiration.

ANSWER: **Oxygen** (accept **O**)

(2) The "order" of these features can be determined using Horton or Strahler's method. Buffers around these objects are called riparian zones. The meandering type of these objects can be cut off to form oxbows. Deltas of sediment form at the "mouths" of these objects, and the term "tributary" is used for these things which flow into larger examples of these things. The Nile and Amazon exemplify, for the point, what moving bodies of water?

ANSWER: **Rivers** (accept **Streams** in place of Rivers; accept Strahler('s) **stream** order; accept Horton('s) **stream** order; accept Meandering **rivers**)

(3) These regions can be home to a magnesium rich "varnish" that covers exposed rocks. Plantations of Jojoba [[hoh-HOH-bah]] trees have been used in India to stop the expansion of these places. Isolated fertile areas in these locations are called oases, and these places can form as a result of a rain shadow from mountain ranges. The Atacama and Sahara are examples of, for the point, what regions which experience little rainfall?

ANSWER: **Deserts**

(4) Failure to cook this food in an alkaline solution via nixtamalization caused frequent pellagra epidemics among European settlers. This crop was first domesticated from *teosinte* in the Balsas River region and has been found in the Guilá Naquitz [[gwee-LAH nah-KEETS]] Cave in the Oaxaca [[wah-HAH-kah]] Valley. With squash and beans, this crop formed the Three Sisters. For the point, name this crop used in a certain high fructose syrup.

ANSWER: **Maize** (accept **Corn**)