

ヒト生物学 I

学番番号 _____ 氏名 _____

Code _____ Name _____

Fill (1) ~ (5) with one suitable word. You may get a half point when using suitable Japanese word.

1. What are radioactive isotopes (radioisotopes), and how can they be used for medicine?

A disaccharide is made by joining only two monosaccharides together by a dehydration reaction. (1.) is a disaccharide that contains two glucose molecules.

(2.) is more branched than starch and is the storage form of glucose in humans.

When a fat molecule (triglyceride) forms, three fatty acids combine with (3.), and three water molecules are produced.

(4.) are structured like fats, but one fatty acid is replaced by a polar phosphate group.

All steroids are derived from (5.) and have four hydrocarbon rings.

2. What are buffers, and why are they important to life?