**Verkefni úr kafla 3.1 og 3.2**

Nafn\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Bekkur\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Frumum er skipt í tvo flokka, hvaða flokkar eru þetta og hvað einkennir hvorn flokk fyrir sig?

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2. Hver var fyrstur til að lýsa örverum?

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3. Hver kom með hugtakið fruma (cell)

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4. Hver eru þrír hlutar frumukenningarinnar?

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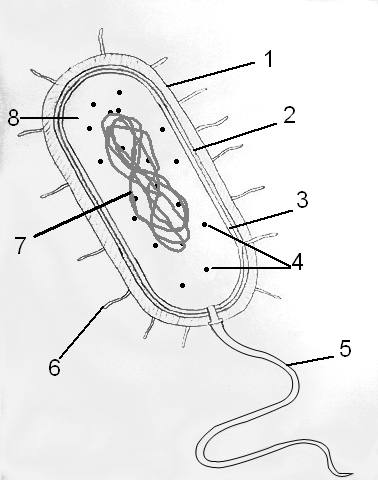
5. Hvað eru ALLAR frumur með?

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6. Hversu stórar eru frumur? Hver er mælieining þeirra? En frumulíffæra?

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1. a) Hvaða gerð frumu er á myndinni? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) Settu réttar tölur við rétta frumuhluta:

festiþræðir \_\_\_\_

frumuhimna \_\_\_\_

frumuveggur \_\_\_\_

hjúpur \_\_\_\_

litningur \_\_\_\_

netkorn (ríbósóm) \_\_\_\_

svipa \_\_\_\_

umfrymi \_\_\_\_

8. Berðu saman heilkjörnunga, raunbakteríur og fornbakteríur

|  |  |  |  |
| --- | --- | --- | --- |
|  | Fornbakteríur | Raunbakteríur | Heilkjörnungar |
| Frumuveggur |  |  |  |
| Frumuhimna |  |  |  |
| Kjarni |  |  |  |
| Himnubundin frumulíffæri |  |  |  |
| Ríbósóm/netkorn |  |  |  |