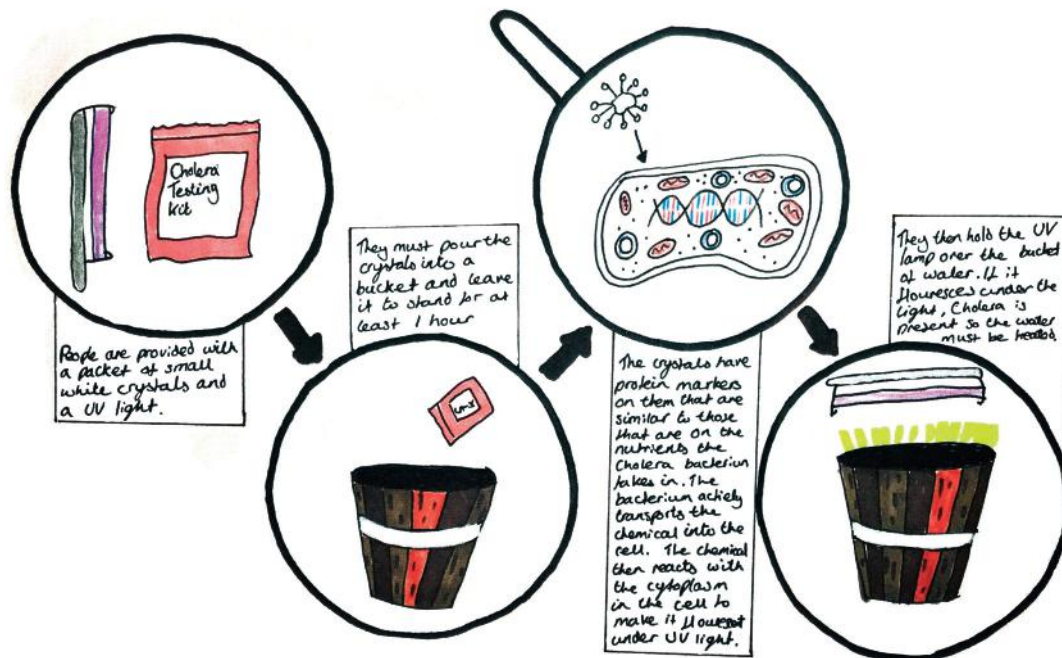




IF YOU WERE an **ENGINEER** WHAT WOULD YOU DO?®

East England Leaders Award 2019
Winner, Year 11

Cholera Testing Kit



Name: Jack Jarvis
Gender: Male
School name: Reepham High School & College
Year group: Year 11
Which engineer inspired you? Andrew Bird
From which company? Dynochem

The '**Cholera Testing Kit**', consists of a small packet with non-toxic crystals inside. It would be used in questionable water sources. The crystals have chemical markers where the cholera bacteria would recognise it as a necessary nutrient and take it in through active transport. The chemicals from the dissolved crystals would illuminate if cholera was present, then you would know to boil the water.