**PAILSEY GRAMMAR SCHOOL BIOLOGY DEPARTMENT**

**RESPONSES TO INFECTION HOMEWORK**

**TEACHER COMMENT:**

|  |  |
| --- | --- |
| **http://www.schooljotter.com/imagefolders/stambrose/smiling_star-2188.gif** |  |
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| **[http://t0.gstatic.com/images?q=tbn:ANd9GcT2MzG95a8vJs9iyBblKSFDCpTkMA3nSbFUMEHa6-gAbQt29OplFT4SzRwh](http://www.google.co.uk/imgres?imgurl=https://upload.wikimedia.org/wikipedia/commons/2/20/Magic_wand.svg&imgrefurl=https://commons.wikimedia.org/wiki/File:Magic_wand.svg&usg=__yZWX7QvOGMCUPhjjA_TTnrn5oss=&h=1052&w=744&sz=6&hl=en&start=3&zoom=1&tbnid=VS9kuVgnqA_AvM:&tbnh=150&tbnw=106&ei=SNZyT5y3Doqe0QWQjMz8Dw&prev=/images?q=wand&um=1&hl=en&safe=active&gbv=2&tbm=isch&um=1&itbs=1)** |  |

**PUPIL COMMENT:**

**PARENT COMMENT:**

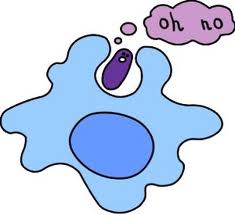
**Homework 1**

Imagine you are a virus looking to replicate. Write a story describing

* + What type of virus you are
  + How you enter your host
  + How you replicate once inside your host

You may use diagrams to help illustrate you story

**Homework 2**

[](http://www.google.co.uk/imgres?q=phagocytosis&um=1&hl=en&safe=active&biw=1280&bih=827&tbm=isch&tbnid=3MfmijkTcllwBM:&imgrefurl=http://www.biofortified.org/2010/03/glowing-phagocytosis/&docid=fQXSN0OTp3dK1M&imgurl=http://www.biofortified.org/wp-content/uploads//2010/03/phagocytosis1.jpg&w=300&h=275&ei=3kSFUL7eM-y10QW7yYG4BQ&zoom=1&iact=hc&vpx=389&vpy=467&dur=1282&hovh=215&hovw=235&tx=141&ty=110&sig=117622925918778906984&page=1&tbnh=147&tbnw=160&start=0&ndsp=24&ved=1t:429,r:13,s:0,i:108)

1. a) Describe the process of phagocytosis.

b) Complete the comic strip below describing the stages of antibody production

2. Answer the following questions about blood types and donation

1. How is your blood type determined?
2. What happens in agglutination? Why can it be deadly?
3. A patient has type AB blood. If they received a transfusion of type B blood, predict *and explain* what would happen
4. A patient has type B blood. If they received a transfusion of type AB blood, predict *and explain* what would happen.
5. In the UK only 4% of the population are regular blood donors. One way which has been discussed to increase donation is to pay people for their blood. What do you think? What would be the pros and cons of paying people for their donation?