# Activity 3.1: Analysing fibres

Examine pictures of different fibres made with regular camera and light microscope.

Compare the pictures of a polyester sample:

|  |  |  |
| --- | --- | --- |
|  |  | C:\Dokumente und Einstellungen\Stefanie Herzog\Desktop\Schlafanzug Polyamid innen.jpg |
|  |  |  |
|  |  | C:\Dokumente und Einstellungen\Stefanie Herzog\Desktop\Polyesterfaden.jpg |

Compare the pictures of a polyamide jacket sample:

|  |  |  |
| --- | --- | --- |
|  |  | C:\Dokumente und Einstellungen\Stefanie Herzog\Desktop\Jacke Polyamid aussen.jpg |
|  |  |  |
|  |  | C:\Dokumente und Einstellungen\Stefanie Herzog\Desktop\Polyamidfaden rot.jpg |
|  | Now imagine you could zoom in even more.  What would one single fiber look like?  Are you then looking at one molecule? |  |

Figure 1: General classification of textile fibres