```
In [9]:  import numpy as npy
         import random as rnd
         import matplotlib.pyplot as plt

         n = 100; N = 200; pB = 0.10;

         imax = int(pB*N); seqB = npy.zeros(imax+1); #10 possible sequence-lenghts (i=0-
         P = []
         i = imax;

         for j in range(n):
             nB = 0;
             while(nB != imax):
                 r = rnd.random()
                 if(r <= pB):
                     nB += 1;
                     i -= 1;
                 else: #Sequence of B terminated
                     seqB[i] += 1;
                     i = imax;
             #Sufficiently long Polymer generated with 10 B's generated


         seqL = range(1,len(seqB));
         seqB = seqB[::-1]; seqB = seqB[1:];
         plt.scatter(seqL, seqB);
         plt.show();
```
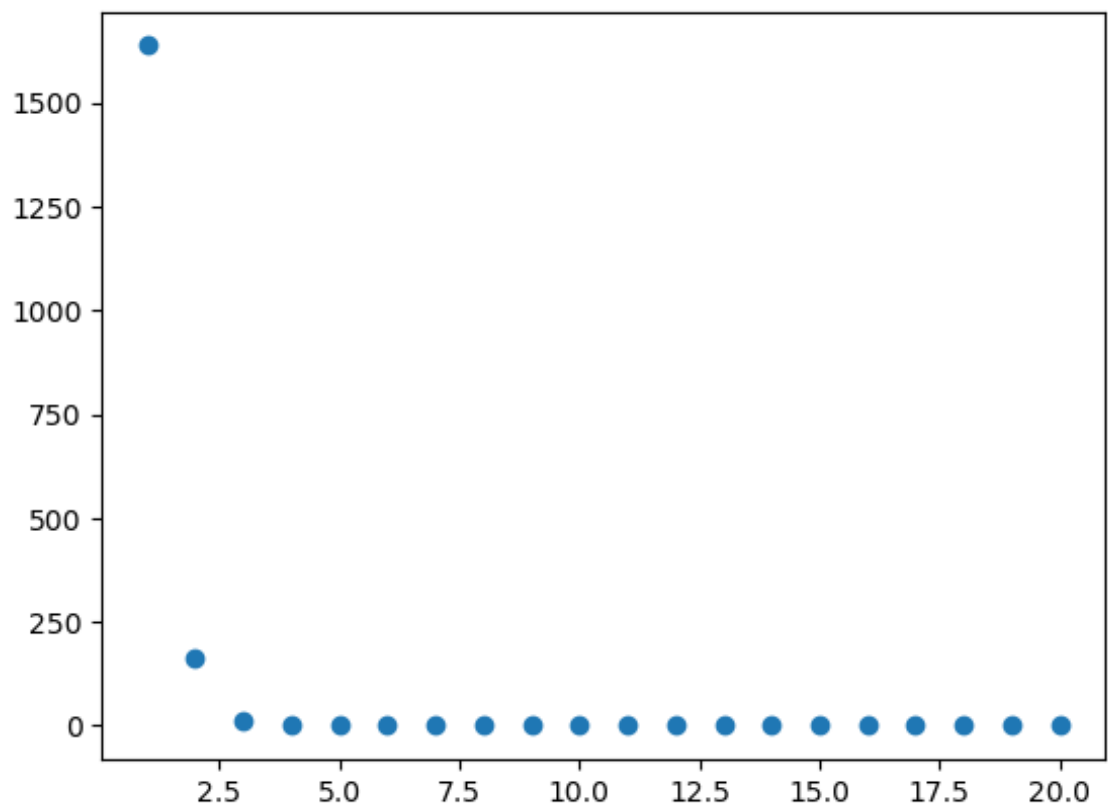


```
In [ ]:
```