Q5.

The difference between TOP500:

1. There are only 2 brands of the processors among the top 10 of GREEN500, which are AMD and Intel. Maybe IBM and other domestic processors need to contribute more to energy efficiency.
2. Except for the first 4 supercomputers with HPE Cray EX235a, all the others' RMax do not exceed 6 PFlop/s. We could tell that HPE Cray EX system has really awesome efficiency and that low performance could also lead high energy efficiency.
3. 9 of 10 supercomputers use NVIDIA accelerators, which is really impressive on NVIDIA's GPU processors.

The difference between the 18th list:

1. The performance of the list among this half the year is significantly increased by HPE Cray EX235a, especially Frontier and LUMI.
2. The energy efficiency is also increased from 39.379 to 62.684 GFlops/watts.

The difference between the 17th list:

1. AMD EPYC 7742 64C 2.25GHz Processor could rank #2 in the 17th list but only #7 in the 19th list. Moreover its energy efficiency still does not exceed Xeon Platinum 8260M 24C 2.4GHz Processor.
2. As for the interconnection, the number of supercomputers using Slingshot-11 is nearly equal to the number that uses Infiniband HDR.