

Exercise 2.2-1

All Quick Questions / Class Exercises to

2.2 Silicon

▶ We had the following class exercises:

- What is the [approximate lateral](#) size of *one* transistor in an **IC**?
- Why are there no [16 GB memory chips](#) *now*.?
- What [properties](#) should a semiconductor have for making **IC**'s?
- What exactly produced [complexity and market growth rates](#) of **30 %** for more than **30** years (for **Si IC**'s)?
- [Where will it end?](#)
- What do you know about **MEMS**?
- Are there any [other uses of Si](#) you know off (or can find quickly)?



Solution