

CHAPTER 6: ROBOTS: HOW THEY WORK AND LEARN TO WORK

Topic: _____ (1)

I. What Rs look like

- Most Rs look like → not _____ (2)
- ↘ _____

II. Today's topic = Indust Rs

- Rs do wk for humans – _____, rep, dang., or _____ (3)
- Most Rs wk _____ in fact. (4)
- e.g.: ♦ put lids on _____ (5)
- ♦ _____ for shipp'g (6)
- In _____ (7)
- + _____ join parts of car together (8)
- + ≠ Rs → _____ on car's whls (9)
- ↘ paint car
- + Ts Rs – auto _____ → v. precise (10)
- e.g.: ♦ tighten bolts w/ _____ (11)
- ♦ move _____ exactly (12)
- ♦ put _____ in car door hr after hr (13)
- Rs do human wk > _____ & _____ (14)

III. How Rs wk & learn to wk

- Rs need _____ - R's "brain" → direct R's mech. parts (15)
- Rs learn job w/ human's _____ & _____ (16)
- + 1/ per. use handheld comp. → guide R's " _____ & _____ " (17)
- + 2/ R store movs in _____ (18)
- + 3/ R use _____ → direct _____ (19)
- e.g.: to _____ & move box (20)
- 1/ R find box
- 2/ R decide _____ (21)
- 3/ R decide _____ → lift & move box (22)
- 4/ R find _____ → put box ↓ (23)
- R do = job until new job & _____ (24)

IV. Future Rs

- Future Rs: smart, _____ or _____ > today's Rs (25)
- + Today Rs = " _____ " – move & not travel around (26)
- + _____ – change beh. (27)
- e.g.: Honda's famous ASIMO
- detect _____ (28)
- _____ s.o toward it (29)
- learn danc'g by follow'g _____ (30)