HWY Ethan Seal 0 blue : 0 blue: 4 x 26 lue - 3 x 26 lue - 2 x 16 3 2 • 361Ue - 1 X • 4 610e-0x0 • 16/30 Chance of a blue 9 9/30 chance of 2 blue 4/30 Chance of 2 blue 0) 1/30 chance of 36/Le 0/30 chance of 4 6/ve c) Prob 0 (ount Confectures Sup Prior 16 XO 0/20 OB  $9 \times 1 = 9$ 9/20 4 42 = 8 1 ×3 = 3 8/20 9 3/20 9 0 x4 = 0 0/20 43 0 H 6  3. Urmos is 80% land, Earth is 30% land
=7110% chance of getting land

30 \$0.27

4010% + 20% = 30%, 10 - 1/3

b) World double the chances that we're observing species 2, or halfe the chances that we're not species 2, or halfe the chances that we're not so 1/5