Together marginal crosses average at minimum . marginal belaw, averaged · marginal above, average 1

Short-Run Versus Long-Run Costs

- . In the long run, a firm's fixed cost becomes a variable it can choose
- long-run average total

 cost curve: relationship

 between output and

 average total Cost when

 fixed cost has been

 chosen to minimize average

 total cost for each output

decreasing increasing returns to returns to scale constant returns to scale shape of long-run average total cost curve: U-shaped

increasing returns to scale:

as output increases, long
run average total cost

declines

- · increased specialization
- e.g. in electricity generating, auto manufacturing
- · network externalities, e.g. software

decreasing returns to scale:

as firms grow in size,

become more difficult

to co-ordinate and to

organize their activities

Constant returns to scale: scale or output has no effect on a firm's longrun average total cost ch 12 Perfect Competition
and the supply curve use cost curves Profit maximization One type of market Structure - Perfect competition What is the Supply Curve

Perfect Competition · Price - taking Producers . Price -taking Consumers each producer small market share market share: fraction of the total industry output accounted for by that producer's output

standardized product · commodity . consumers regard the products of diff producers as the same good free entry and exit (except for some conservative economists

what's standardized product - Champagne Korean Kimchi Production and Profits Profit = Total revenue Total Cost = TR - TC choose output until profits maximized

How much decision use marginal analysis until extra vevenue = extra cost marginal revenue MR= marginal cost Mc For parfectly competitive firm, MR = P, D-Curve facing it is perfectly elastic MR=P

