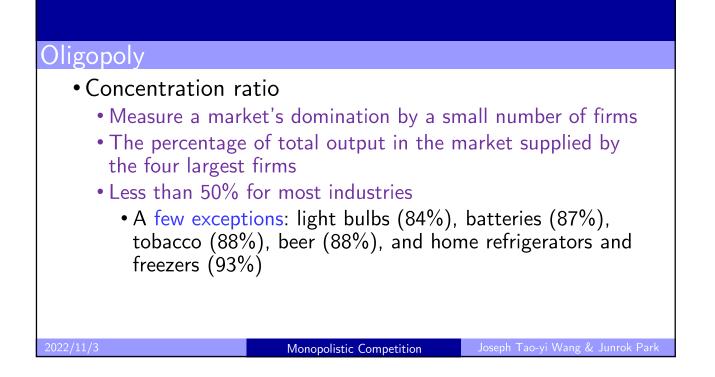


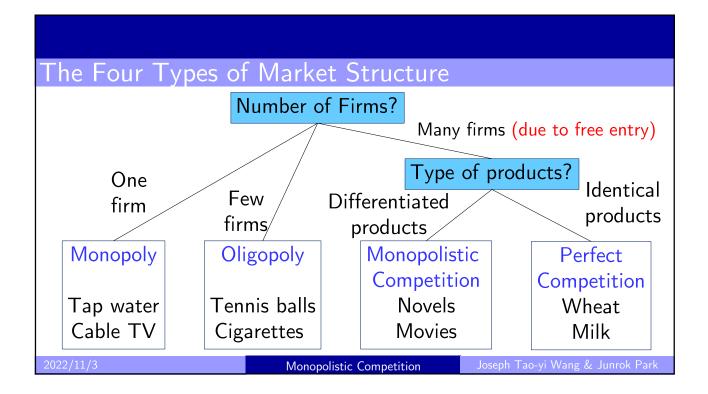
## In This Chapter What market structures lie between perfect competition and monopoly, and what are their characteristics? How do monopolistically competitive firms choose price and quantity? Do they earn economic profit? How does monopolistic competition affect society's welfare? What are the social costs and benefits of advertising?

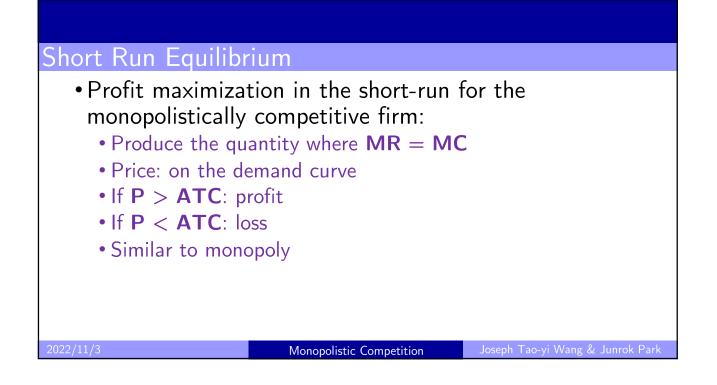
Introduction		
• Perfect Competing identical product	ms of market structu tion (perfect substitute is, price takers, $\mathbf{P} = \mathbf{M}$ ubstitute): one firm, pri	): many firms, I <b>C</b>
<ul> <li>Imperfect Competition – in between the extremes: (partial substitutes)</li> <li>Oligopoly: only a few sellers offer similar or identical products.</li> <li>Monopolistic Competition: many firms sell similar but not identical products.</li> </ul>		
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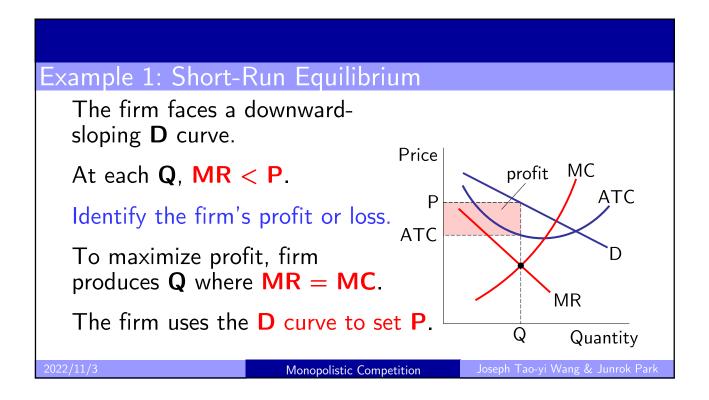


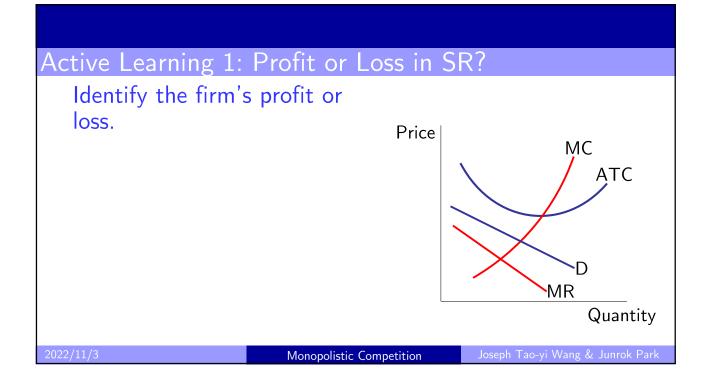


Monopolistic Competition			
	Perfect Competition	Monopolistic Competition	Monopoly
Number of sellers	Many	Many	One
Free entry/exit	Yes	Yes	No
LR economic profit	Zero	Zero	Positive
Products firm sells	Identical	Differentiated	No close substitute
Market power?	None	Yes	Yes
D curve facing firm	Horizontal	Downward- sloping	Downward-sloping (market D)
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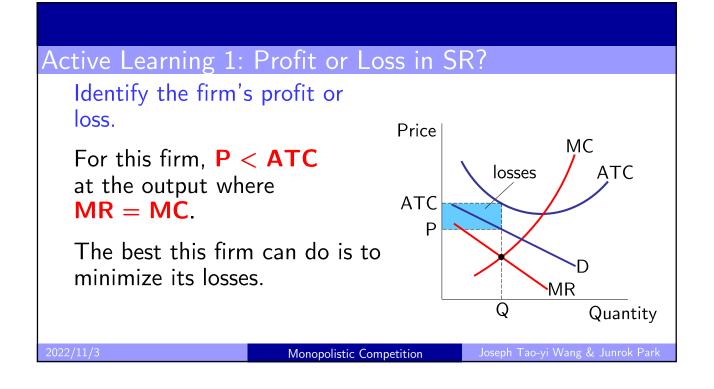




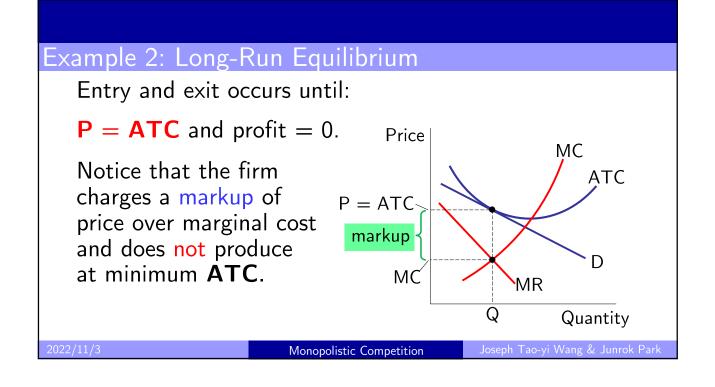


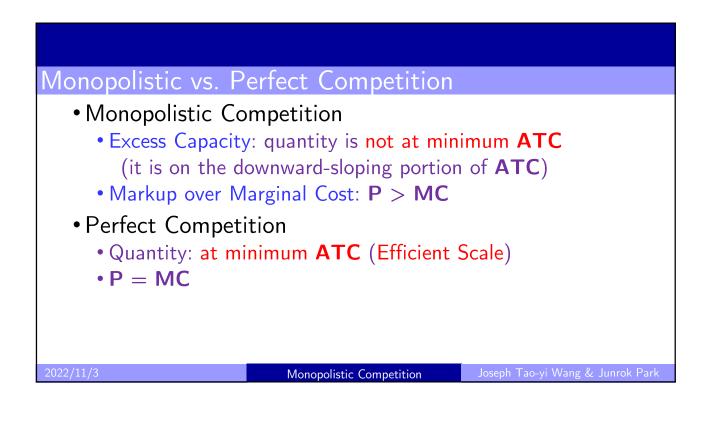




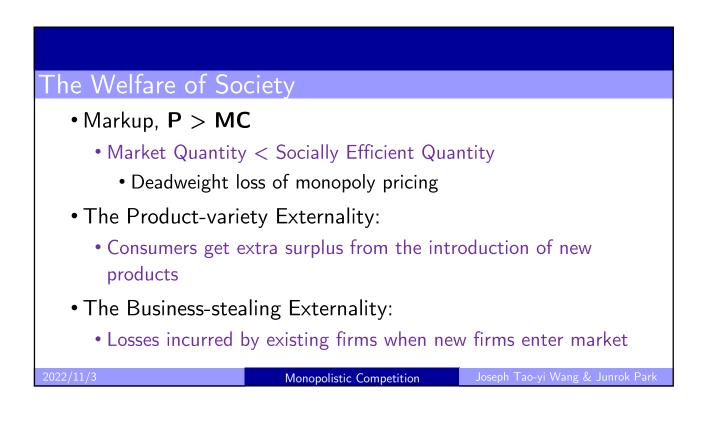


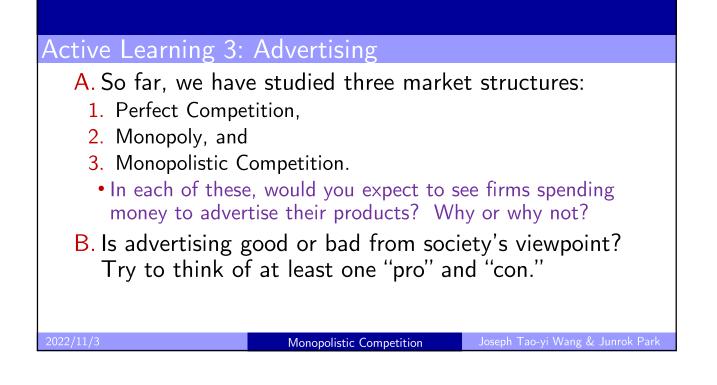


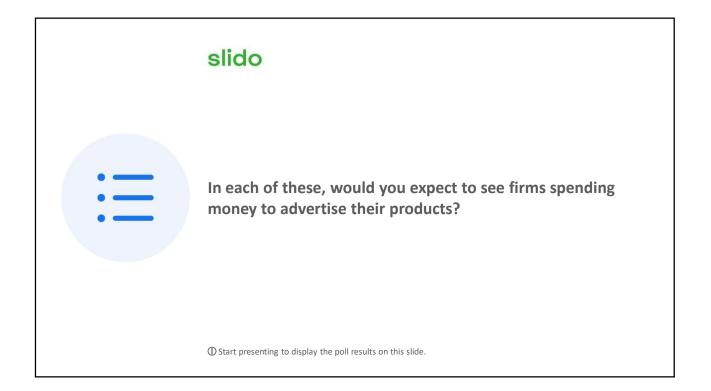




The Welfare of Soc	ciety	
	Competitive Markets	
• Sources of Ineffic	ciency	
<ul> <li>Markup of price</li> </ul>	over marginal cost	
<ul> <li>Too much or too little entry (# of firms in the market)</li> </ul>		
Product-variety externality		
<ul> <li>Business-stealing externality</li> </ul>		
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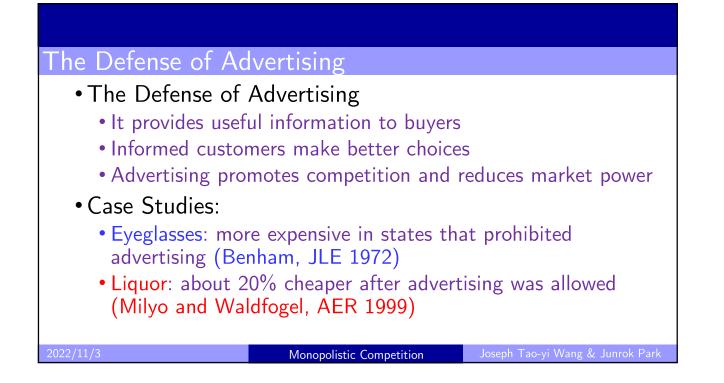


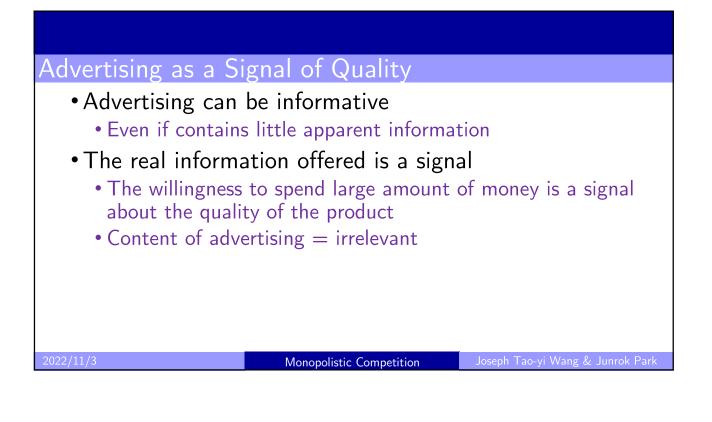
## Advertising

- Incentive to Advertise
  - When firms sell differentiated products and charge prices above marginal cost
  - Advertise to attract more buyers
- Advertising Spending
  - Highly differentiated goods: 10-20% of revenue
  - Industrial products: little advertising
  - Homogenous products: no advertising

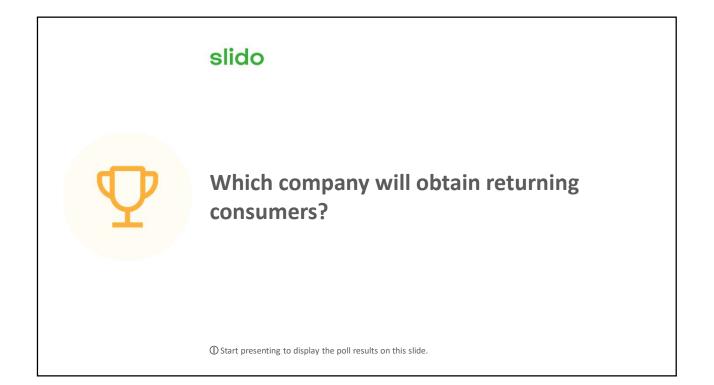












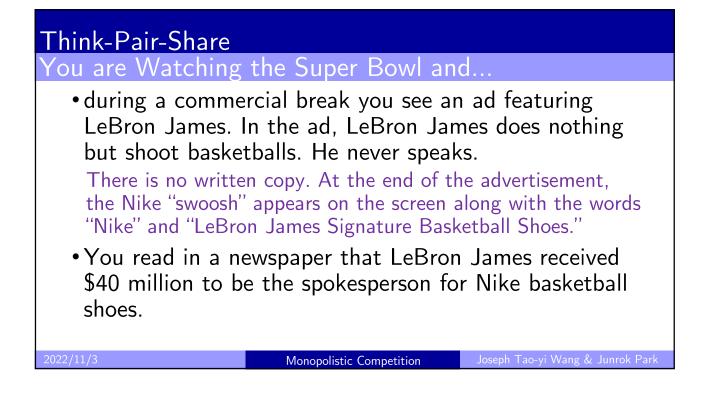


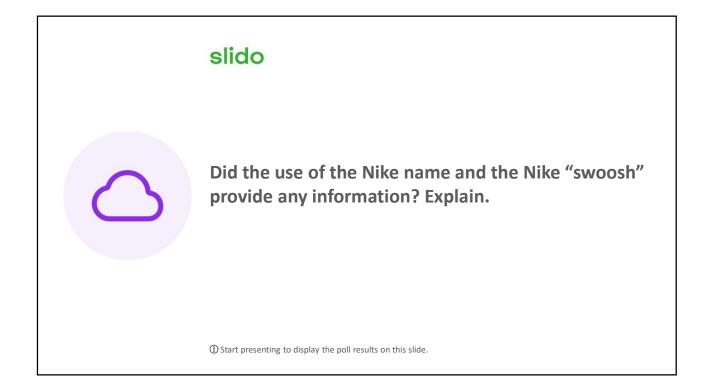
## Example 3: Solutions

- If Colgate advertises, cost = NT\$240 million
  - Benefit = NT\$150×500,000 (no repeat customers)
  - Profit = \$75 million \$240 million = \$165 million
  - Do not advertise!
- If Sensodyne advertises, cost = NT\$240 million
  - Benefit = NT\$150×500,000×12 months
    - Sensodyne gets repeat customers since tastes just right
  - Profit = 900 million 240 million = 660 million
  - Advertise!







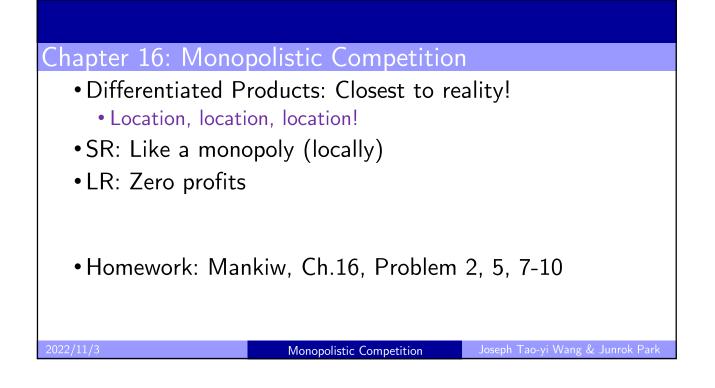


## Slido While watching, a friend says, "What a waste of society's resources. I didn't learn anything about Nike basketball shoes from that ad. I think there should be government regulations requiring ads to be informative in some way." What have you learned from t



Chapter In A Nuts	hell	
	competitive market: ferentiated products, an	d free entry and
Inefficiencies:		
<ul> <li>Deadweight loss cost</li> </ul>	s caused by markup of p	orice over marginal
• Number of firm too large or too	s (and thus the variety small.	of products) can be
<ul> <li>The ability of policymakers to correct these inefficiencies is limited.</li> </ul>		
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Chapter In A Nutsl	nell	
sloping portion (	ccess capacity ( <b>Q</b> is on of the <b>ATC</b> curve) es a price above margin	
<ul> <li>Each firm charges a price above marginal cost.</li> <li>Product differentiation: advertising and brand names</li> <li>Critics: manipulate consumers' tastes and reduce competition.</li> <li>Defenders: inform consumers and compete more vigorously on price and product quality.</li> </ul>		
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Challenge Questions (Past Final	s)
•2014 - Essay C5-C6	Old Finals:
•2015 - Essay B7-B12	2007 - Part 3, 6
•2017 - Essay B6-B8, D1	2012 - Part III, 1-9
•2018 - Essay C5-C9	
•2019 - Essay A, B4-B8	
•2020 - Essay C1-C3, D6-D11	
•2021 - Essay A5-A6, A8-A9	
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