



"There's food...
it's just not
real food: inside
America's
hunger capital".



Our Hungry Planet: Food for a Growing Population

Unit 3: Exploring the Impacts of Feeding the World



In This Lesson

You will explore how too much food and too few food options are both important issues that need our attention.

You will interpret maps to try to identify food deserts in America.

Essential Question (which you should be able to answer at the end of this lesson)

What factors limit or influence the types of foods that people can buy or eat?

What do you
understand by
the term a “**food
desert**”?



Students, write your response!



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Food Deserts

People living in a ‘food desert’ generally don’t have easy access to fresh, healthy, and affordable foods. Some parts of the cities don’t have grocery stores or farmer’s markets, and people have to buy food from small convenience stores or fast food restaurants—the only places to buy food in their neighbourhood.



Video Discussion Question

In the 'food deserts' of Memphis, Tennessee, dominated by fast food outlets and convenience stores, locals lack what seems a basic human right in the richer half of the city: a supermarket.

With a big gap in life expectancy, are these Americans doomed to die younger than their neighbours – or can they fight for their right to nutrition?



Pear Deck



Students, write your response!

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Locate

Legend

 *San Francisco*



 *Memphis*



Students, drag the icons!

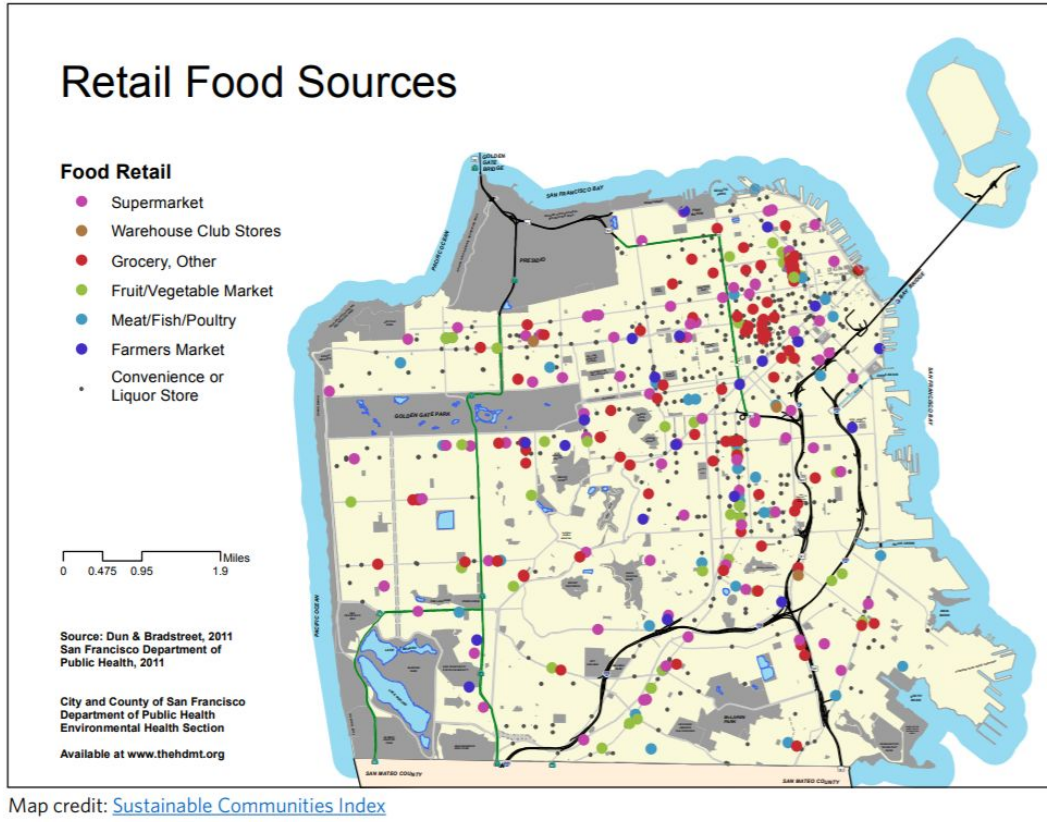


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Food Deserts

Take a few minutes to study the two maps of San Francisco on the following slides. What information do the maps show?

What information does the map show?



Map credit: [Sustainable Communities Index](http://SustainableCommunitiesIndex)



Students, write your response!

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Look at the cluster of food sources in the yellow circle which is a 4 mile radius

If you live within the orange circle food sources are far more limited but slightly varied

If you live within the red circle food sources are far more limited in number & variety

Retail Food Sources

Food Retail

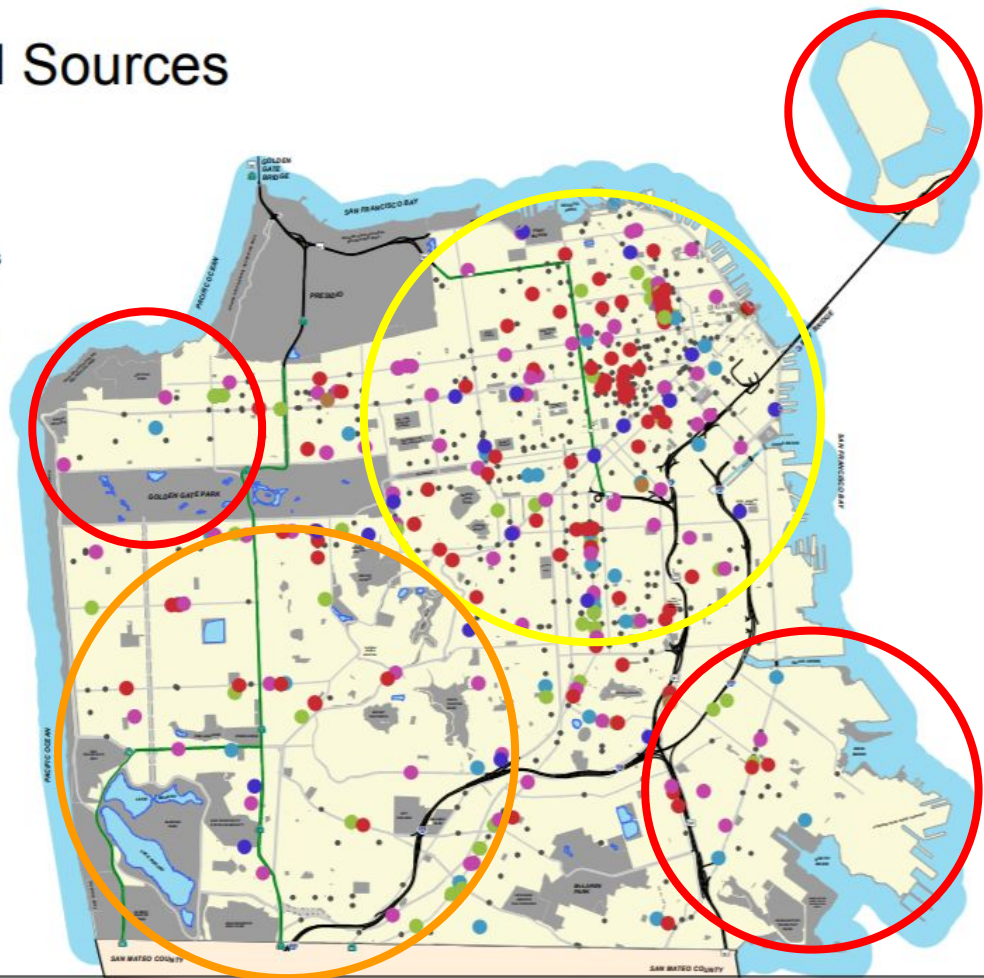
- Supermarket
- Warehouse Club Stores
- Grocery, Other
- Fruit/Vegetable Market
- Meat/Fish/Poultry
- Farmers Market
- Convenience or Liquor Store

0 0.475 0.95 1.9 Miles

Source: Dun & Bradstreet, 2011
San Francisco Department of
Public Health, 2011

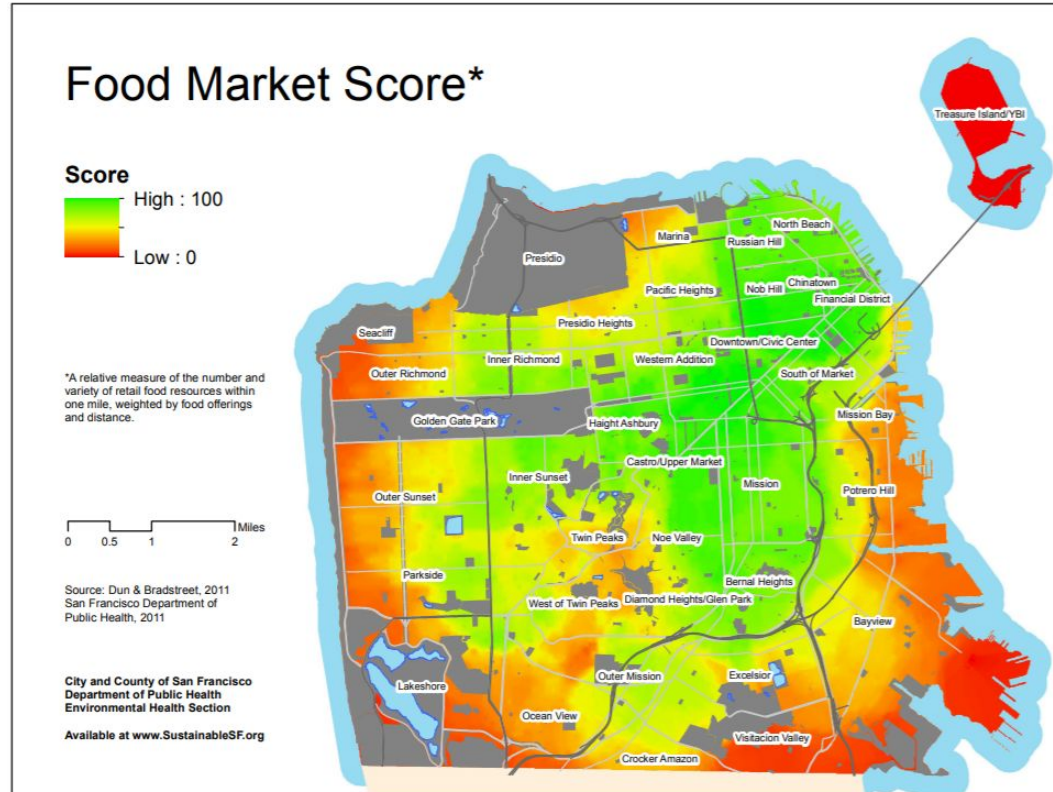
City and County of San Francisco
Department of Public Health
Environmental Health Section

Available at www.thehdm.org



Map credit: [Sustainable Communities Index](#)

What information does the map show?



Map credit: [Sustainable Communities Index](http://SustainableCommunitiesIndex)



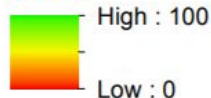
Students, write your response!

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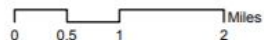
The green oval shows the highest concentration of the number and variety food markets so the residents in this area will have access to a better range of foods and better chances of a healthier diet

Food Market Score*

Score



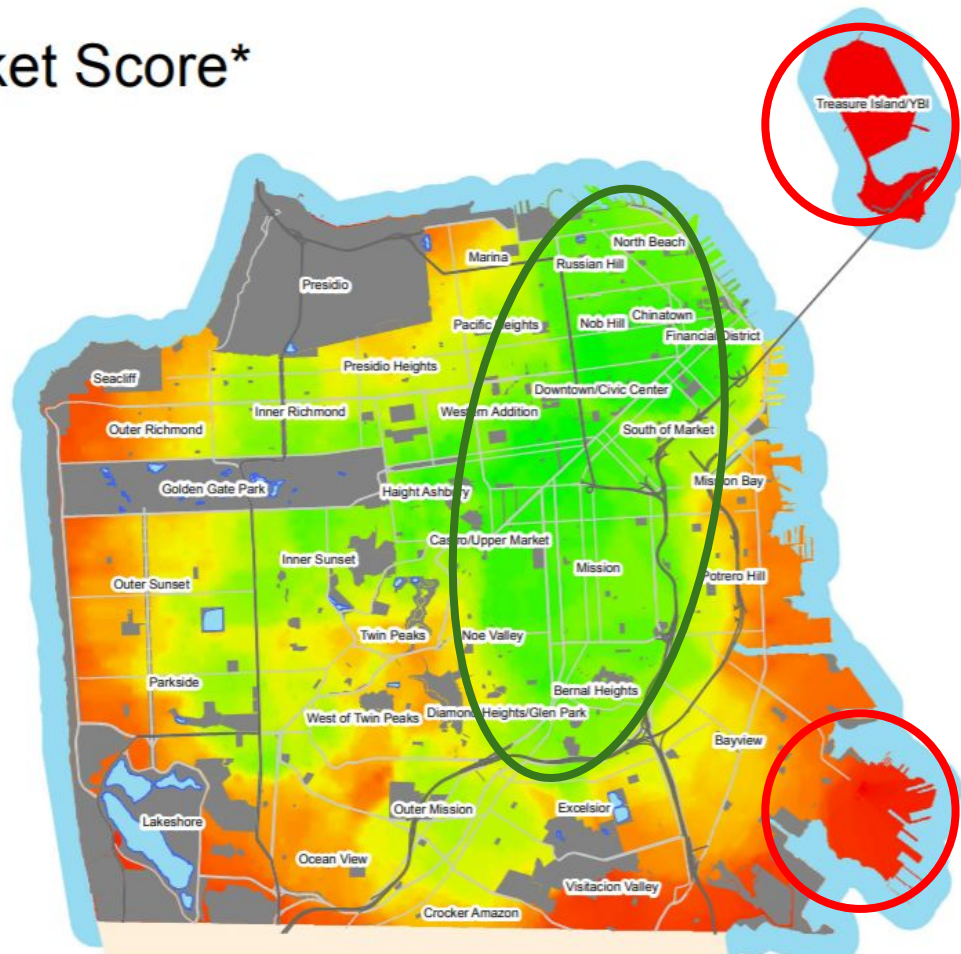
*A relative measure of the number and variety of retail food resources within one mile, weighted by food offerings and distance.



Source: Dun & Bradstreet, 2011
San Francisco Department of
Public Health, 2011

City and County of San Francisco
Department of Public Health
Environmental Health Section

Available at www.SustainableSF.org



Map credit: [Sustainable Communities Index](http://SustainableCommunitiesIndex)



Big Question

How do you think we could help people who live in food deserts to have better access to fresh, healthy, and affordable foods?



Students, write your response!



Flips!de

   SCIENCE

Explain

1

Explain one or two things you have learned from the video.

2

What is your understanding of the term 'sustainability'?



Students, draw anywhere on this slide!

Sustainability

The ability of a system to last or endure; meeting current human needs without endangering our descendants



The gap between the quality of rich and poor Americans' diets has widened over the past two decades.

The debate continues



Using Flipgrid, the students are to answer the recorded question,
“Should the access to healthy food be a privilege or a right?”



Flipgrid

Which EdTech tool did you prefer using today?

Flipgrid



edpuzzle



Students, drag the icon!

Pear Deck Interactive Slide
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What factors limit or influence the types of foods that people can buy or eat?



Students, draw anywhere on this slide!

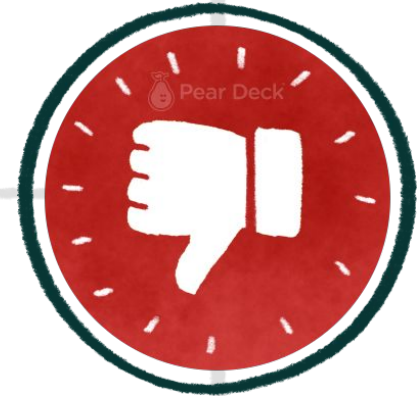
Did you find this lesson interesting and challenging?



Too hard



Just right



Too easy



Students, drag the icon!