

TOYON

Plant Me Today!

Price*: \$135 15-Gallon

**2020 Price, Obtained from Kato Landscape*



(If you have one \$50 bill, two \$20 bills, three \$10 bills, and four \$5 bills, do you have enough to buy a tree?)

Shading: Full Sun, or Partial Sun



(On average, how many hours of sunshine does Garden Grove receive a day?)

Soil Drainage: Fast, Medium, or Slow



(What specific type of soil drains slowest?)

Watering: 2x/month



(On average, how much rain does Garden Grove receive in a year?)

Cold Tolerance: -5° Fahrenheit



(What is the yearly average temperature in Garden Grove?)

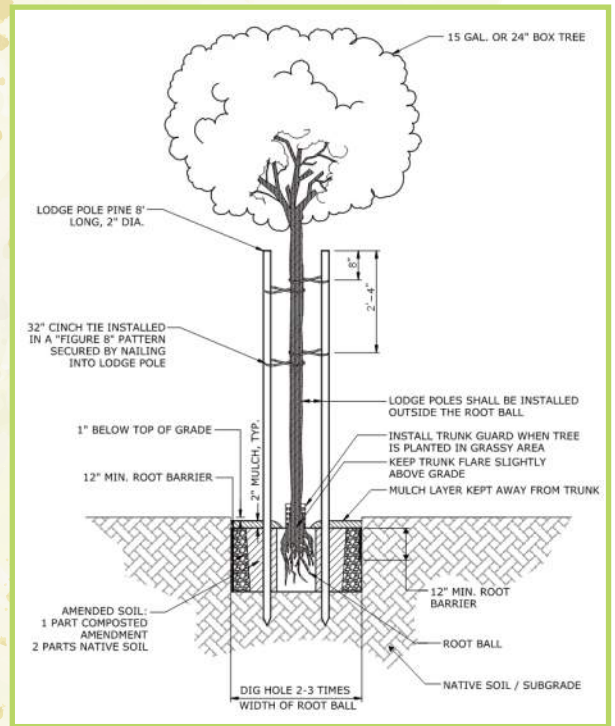
Maintenance: Susceptible to fire blight



(Are toyon berries edible for humans?)



15 gal Heteromeles Arbutifolia 3' x 2-3'



Water-Wise Word Problem

If a faucet flows at 9 gallons per minute, how long will it take to fill a 1-gallon bucket?

Answer Key

1. Yes, with \$5 in change
2. 7.7 Hours
3. Clay Soils
4. 13 inches
5. 63°F
6. No
7. 6 2/3 Seconds




ARIZONA CYPRESS


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 (If you pay for a tree with seven \$20 bills, what is your change?)


Shading: Full Sun

 (On average, does Garden Grove receive more sunshine in May, or in September?)


Soil Drainage: Fast

 (What element found in soil most encourages plant growth?)


Watering: 1x/month

 (On average, what month is rainiest in Garden Grove?)

Cold Tolerance: -100° Fahrenheit

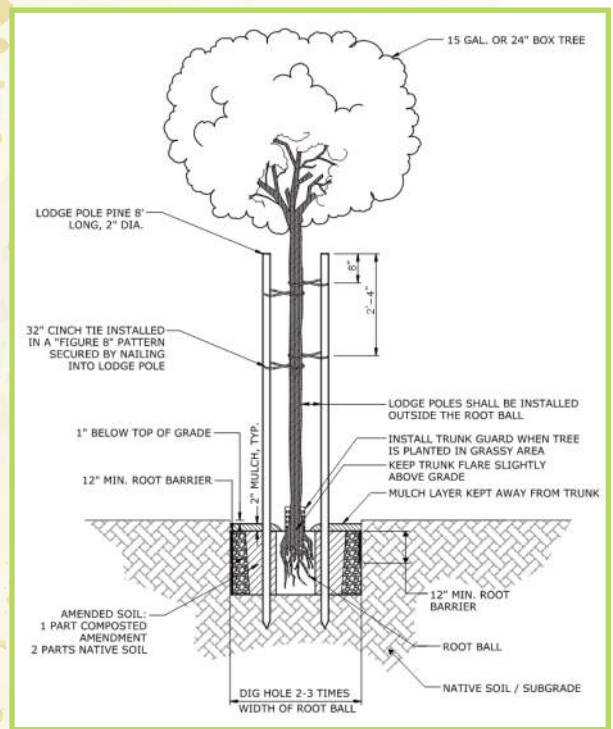
 (On average, what is the coldest month in Garden Grove?)

Maintenance: Can grow into tree screen or hedge

 (How close can Arizona Cypresses be planted next to each other?)



15 Gal Cupressus Arizonica - 7' x 2'



Water-Wise Word Problem

If a faucet flows at 12 gallons per minute, how long will it take to fill a 5-gallon bucket?

Answer Key

1. \$5 in change
2. September, approximately 9 hours daily
3. Nitrogen
4. February
5. December
6. Approximately 6 feet on center
7. 25 Seconds



WESTERN REDBUD

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(If you have four \$20 bills, three \$10 bills, and two \$5 bills, do you have enough money to buy a tree?)

Shading: Partial Shade, or Full Sun



(On average, does Garden Grove receive more sunshine in November, or in March?)

Soil Drainage: Fast, Medium, or Slow



(What are the three basic types of soil?)

Watering: 1x/week



(On average, how much water flows from a hose?)

Cold Tolerance: 15° Fahrenheit



(On average, which month is colder in Garden Grove: December or February?)

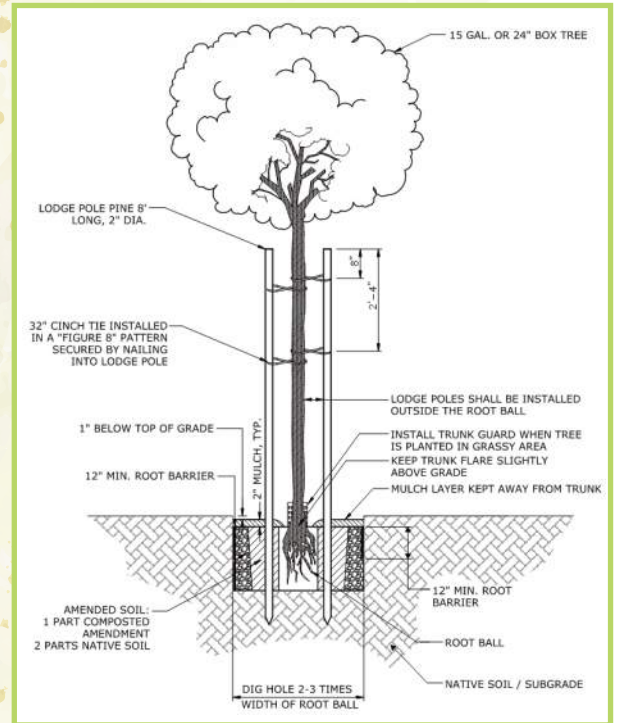
Maintenance: Responds well to pruning



(When do Western Redbuds bloom?)



15 Gal Cercis Occidentalis Std - 6' x 1'



Water-Wise Word Problem

If a faucet flows at 8 gallons per minute, how long will it take to fill a 20,000-gallon swimming pool?

Answer Key

1. No - You need \$20 more
2. Marchs
3. Sandy, Loamy, and Clay Soils
4. 9-17 gallons per minute
5. December (54°F)
6. Early-Spring
7. 47 Hours and 42 minutes



CATALINA IRONWOOD

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(What is the fewest amount of bills needed to buy a tree with exact change?)

Shading: Full Sun



(During which month does Garden Grove receive the most sunshine?)

Soil Drainage: Fast, or Medium



(Why do sandy soils drain quickly?)

Watering: 1x/month



(What type of automatic irrigation uses water most efficiently?)

Cold Tolerance: 20° Fahrenheit



(On average, what is the warmest month in Garden Grove?)

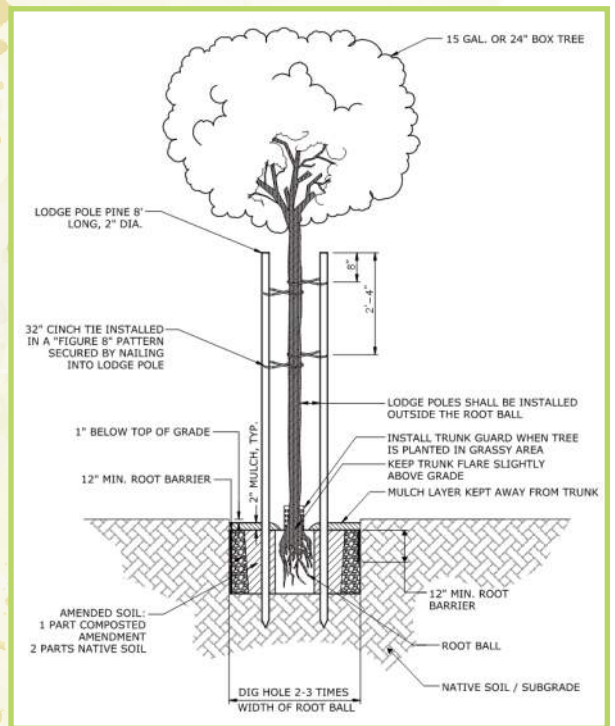
Maintenance: Can cause root damage



(Approximately how big do tree root systems grow?)



15 GAL LYONOTHAMNUS F. ASPLENIFOLIUS - 5' X 3'



Water-Wise Word Problem

If a faucet flows at 10 gallons per minute, how long will it take to fill a 2-gallon bucket?

Answer Key

1. 4 bills - \$100, \$20, \$10, and a \$5 bill
2. July - 10.6 hours daily
3. More gaps between particles
4. Drip irrigation
5. August (72.8°F)
6. Root systems are approximately the size of the tree canopy
7. 12 seconds



SWEET BAY

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(How many quarters are needed to buy a tree?)

Shading: Full Sun, or Partial Sun



(During which month does Garden Grove receive the least sunshine?)

Soil Drainage: Fast, or Medium



(Why do clay soils drain slowly?)

Watering: 1x/week



(If a tree receives 5 gallons of water every week, how much water will it receive in a year?)

Cold Tolerance: 20° Fahrenheit



(On average, which month is warmer in Garden Grove: March or September?)

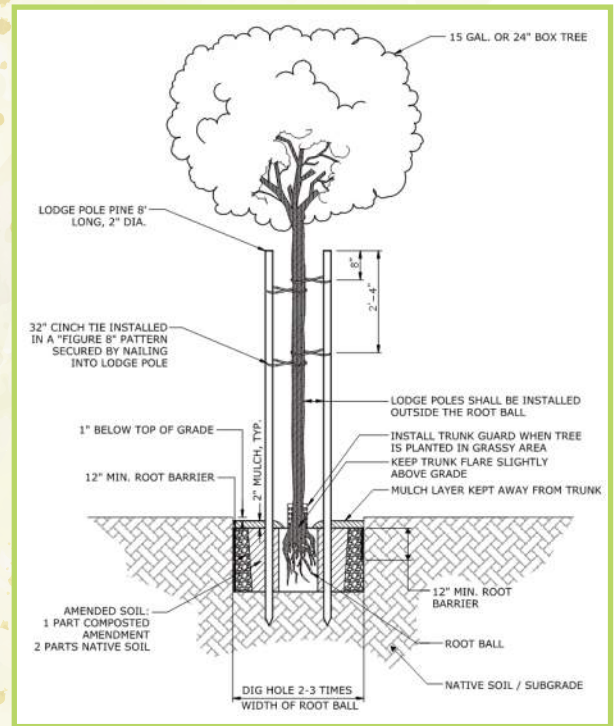
Maintenance: Susceptible to root rot



(How can root rot be avoided?)



15 Gal Laurus Nobilis (Std) 8' x 2'



Water-Wise Word Problem

If a faucet flows at 11 gallons per minute, how long will it take to fill a 5-gallon bucket?

Answer Key

1. 540 quarters
2. December - 7.2 hours daily
3. Fewer gaps between particles
4. 260 gallons
5. September (71.8°F)
6. Overwatering and certain fungi!
7. 27 seconds




CAROLINA LAUREL CHERRY


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 (How many dimes are needed to buy a tree?)


Shading: Full Sun, or Partial Sun

 (At a minimum, how much sunshine is required to be considered full sun?)


Soil Drainage: Fast, Medium, or Slow

 (What is mulch?)


Watering: 1x/week

 (If a tree receives 10 gallons of water every week, how much water will it receive in a year?)

Cold Tolerance: 0° Fahrenheit

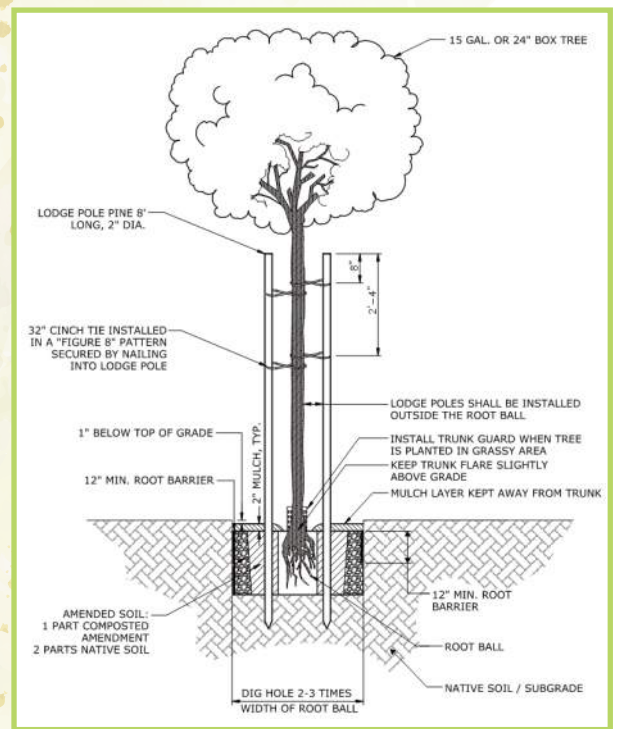
 (Is 0°F warmer or colder than -10°C?)

Maintenance: Does not respond well to pruning and will resist training

 (Are Laurel Cherries edible for humans?)



15 gal STD Prunus caroliniana 8' x 2-3'



Water-Wise Word Problem

If a faucet flows at 13 gallons per minute, how long will it take to fill a 20,000-gallon swimming pool?

Answer Key


1. 1,350 dimes
2. 6 hours daily
3. Layer of material on top of soil
4. 520 gallons
5. Colder (App. -17.8°C)
6. No
7. 25 hours, 38 minutes

SCRUB OAK


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 (How many nickels are needed to buy a tree?)


Shading: Full Sun, or Partial Shade

 (How far is the sun from Earth?)


Soil Drainage: Fast, or Medium

 (What is compost?)


Watering: Minimal

 (If a tree receives 0.5 gallons of water a month, how much water will it receive in a year?)

Cold Tolerance: 20° Fahrenheit

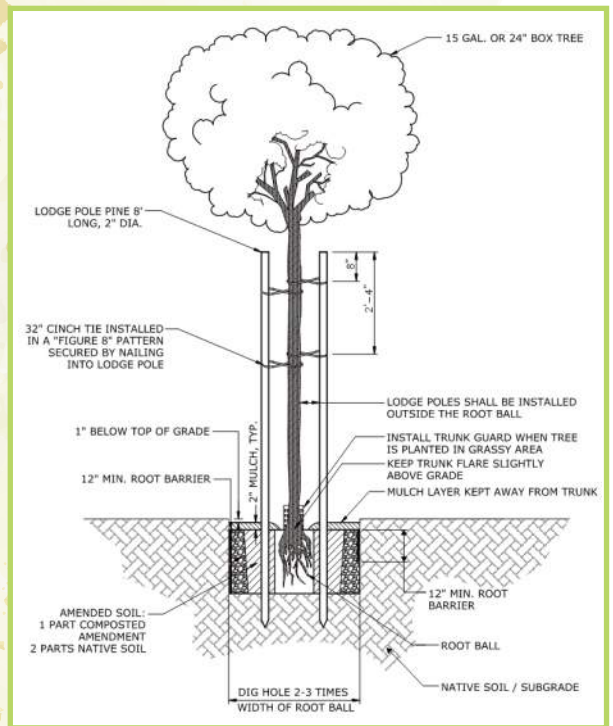
 (Is 20°F warmer or colder than -5°C?)

Maintenance: Minimize pruning

 (On average, how many acorns will a scrub oak produce in a year?)



15 GAL QUERCUS BERBERIDIFOLIA - 2.5-3' X 3'



Answer Key

1. 2,700 nickels
2. 92.174 million miles
3. Mixture of decomposing ingredients to fertilize soil
4. 26 gallons
5. Colder (Approx. -6.7°C)
6. Up to 10,000
7. 35 hours, 42 minutes



Water-Wise Word Problem

If a faucet flows at 14 gallons per minute, how long will it take to fill a 30,000-gallon swimming pool?

Funding for this California Climate Investments grant project has been provided through the California Department of Forestry and Fire Protection (CAL FIRE), Urban and Community Forestry Program.



PALO VERDE

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(If you have one \$100 bill, five \$5 bills, four \$1 bills, ten quarters, and ten dimes, how much more money is needed to buy a tree?)

Shading: Full Sun



(On average, how many days of sunshine does Garden Grove receive?)

Soil Drainage: Fast, Medium, or Slow



(What specific type of soil drains fastest?)

Watering: Minimal



(If a tree receives 1/3 inches of rain every two weeks, how much water does it receive in a year?)

Cold Tolerance: 15° Fahrenheit



(Is 15°F warmer or colder than 0°C?)

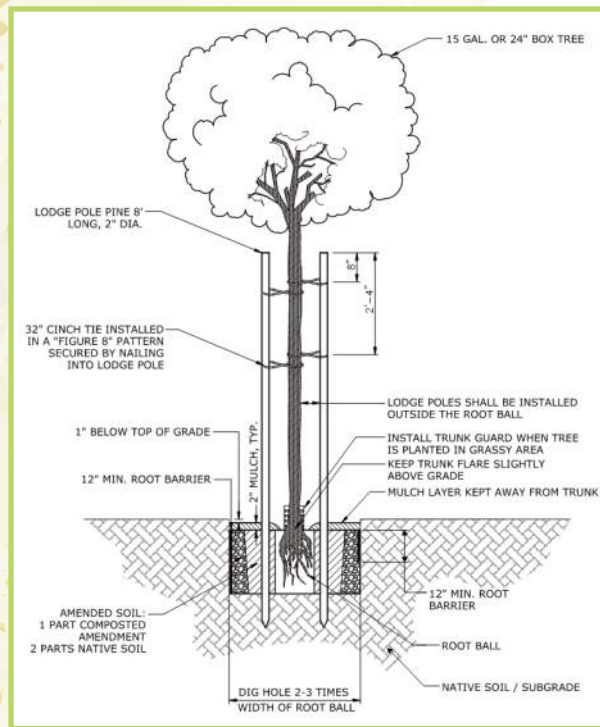
Maintenance: Responds well to pruning, can be affected by mildew



(If the top of a 12 foot tall palo verde is trimmed by 12%, how tall is the tree now?)



15 Gal Cercidium Desert Museum (Std) 8' x 2.5'



Water-Wise Word Problem

If a faucet flows at 15 gallons per minute, how long will it take to fill a 2-gallon bucket?

Answer Key

1. \$2.50
2. 275 Days
3. Sandy Soils
4. 8 2/3 inches
5. Colder (Approx. -10°C)
6. 10.56 Feet
7. 8 Seconds



COAST LIVE OAK

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(If you have two \$20 bills, four \$10 bills, six \$1 bills, and three dimes, how much more money is needed to buy a tree?)

Shading: Full Sun, or Partial Shade



(How old is the sun?)

Soil Drainage: Medium



(What benefits does mulch provide trees?)

Watering: Minimal



(If a tree receives 1/4 inches of rain every three weeks, how much water does it receive in a month?)

Cold Tolerance: 15° Fahrenheit



(Is 15°F warmer or colder than -10°C?)

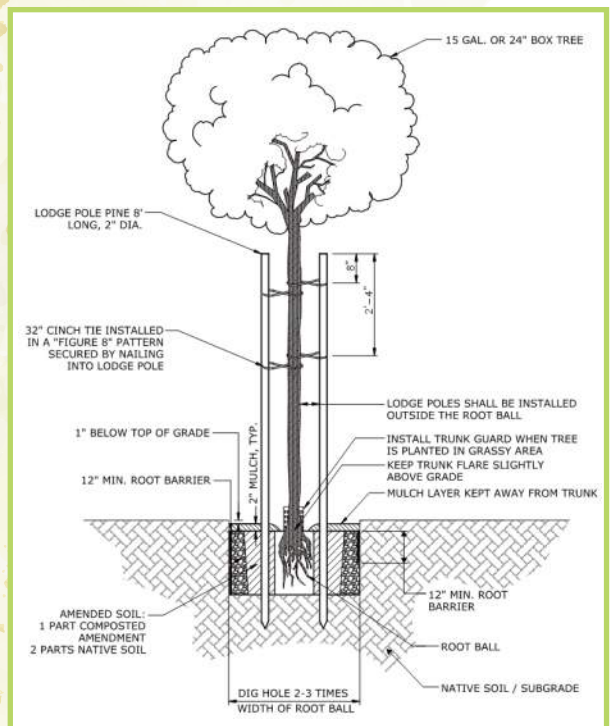
Maintenance: Minimize pruning, susceptible to pests and disease



(Are acorns edible for humans?)



15 Gal Quercus Agrifolia (Std) 7 x 2.5



Water-Wise Word Problem

If a faucet flows at 16 gallons per minute, how long will it take to fill a 30,000-gallon swimming pool?

Answer Key

1. \$48.70
2. 4.6 billion years
3. Moisture retention and nutrients
4. 3/8 inch
5. Warmer (Approx. -9.4°C)
6. Yes
7. 31 hours, 15 minutes




BLACK PEPPERMINT TREE

Plant Me Today!

Price*: \$135 15-Gallon


**2020 Price, Obtained from Kato Landscape*

 (How many \$5 bills are needed to buy a tree?)


Shading: Full Sun, or Partial Shade

 (How hot is the sun?)


Soil Drainage: Fast, Medium, or Slow

 (What benefits does compost provide trees?)


Watering: 1x/week

 (If a tree receives 1/2 inches of rain every month, how much water does it receive in a year?)

Cold Tolerance: 20° Fahrenheit

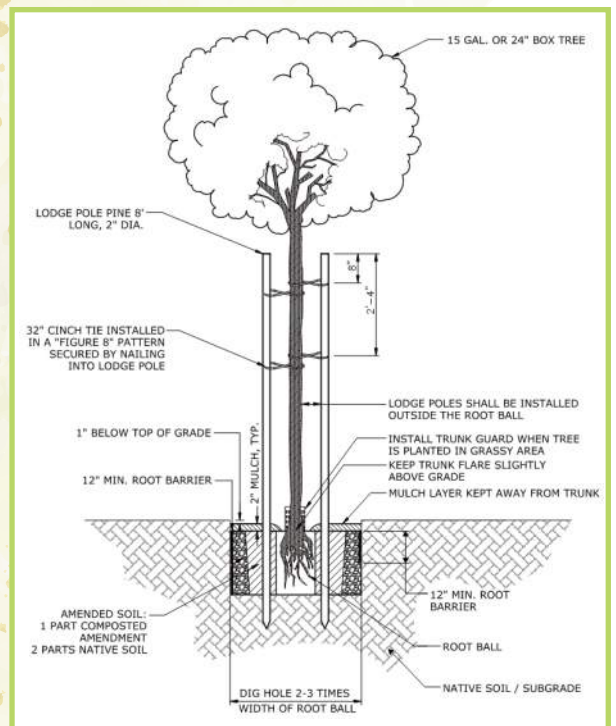
 (Is 20°F warmer or colder than -15°C?)

Maintenance: Susceptible to crown rot (phytophthora) and root rot

 (What causes crown rot?)



15 Gal Agonis F. Afterdark' - 7' x 2'



Water-Wise Word Problem

If a faucet flows at 17 gallons per minute, how long will it take to fill a 1-gallon bucket?

Answer Key

1. 27 \$5 Bills
2. 9,940.73°F
3. Nutrients
4. 26 inches
5. Warmer (Approx. -6.7°C)
6. Fungus-like microorganisms
7. 3.5 Seconds

