CHAPTER 12 SECTION 1 NOTETAKING STUDY

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Why was the Boston police strike unpopular with the public? The strike by Boston police in 1919 was unpopular with many Americans because it seemed that the police were sacrificing their role as public servants and because, in the wake of the communist revolution in Russia, such labor agitation appeared to some to be led by communist agitators.

Why was the strike at the US Steel unpopular? This is mostly because the strike occurred during the First Red Scare, when the country cracked down on communism and other left-wing ideologies. Since the labor movement was associated with these ideologies, any labor activism was viewed as dangerous and revolutionary.

How did the justice system under A. Mitchell Palmer respond to this fear? How did the Justice Department under A. Mitchell Palmer respond to this fear? hunted down suspected communists socialist and anarchist arrested and jailed.

How did Japan differ from other nations before 1854? Japan differed from many other powerful nations before 1854 in a way that it advanced industrial society. Up until now, Japan has been one of the first world countries because of its advanced society.

Why did the Boston police strike fail? Despite assurances from Commissioner Curtis to Mayor Peters and Governor Coolidge, Boston had little police protection for the night of September 9. Volunteer replacements were still being organized and due to report the next morning. Many of the strikebreakers were students at Harvard University.

Who broke the Boston police strike? On September 9, 1919, the police went on strike. Without police protection, the city was quickly experiencing robberies and riots. Mayor Andrew J. Peters called in Boston companies of militia, restoring order and breaking the strike.

Was the steel strike successful? Finally, the AA withdrew from the strike. As plant after plant stopped striking, the AFL could no longer hold the strike. On January 8, 1920, they gave in. It was a crushing defeat: Both unions saw a vast decline in membership, and employers made it clear that they wouldn't accept unionization or strikes in the future.

How did Palmer eventually fall from public favor? Why did Palmer eventually lose his standing with the American public? His raids failed and people thought he was looking for a campaign issue to gain support for his presidential aspirations.

Why did public support turn against steel companies? The public turned against steel companies because a report in 1923 revealed harsh conditions in steel mills and workers were then given an eight-hour day. How did President Wilson respond to the steel strike? President Wilson responded by helping to settle disputes so that miners could get higher wages.

Who did the Red Scare target? During the Red Scare of 1919-1920, many in the United States feared recent immigrants and dissidents, particularly those who embraced communist, socialist, or anarchist ideology.

How did the Red Scare end? After the Senate formally censured McCarthy, his political standing and power were significantly diminished, and much of the tension surrounding the idea of a possible communist takeover died down.

How did the Red Scare threaten the civil liberties of American citizens? The public backlash against communism led Senator Joseph McCarthy to spearhead a series of public restrictions and trials on charges of treason. Groups, such as the American Civil Liberties Union, condemned McCarthy's campaign as an attempt to unjustly restrict civil liberties and free speech.

Why did Japan shut itself off from the world? It is conventionally regarded that the shogunate imposed and enforced the sakoku policy in order to remove the

colonial and religious influence of primarily Spain and Portugal, which were perceived as posing a threat to the stability of the shogunate and to peace in the archipelago.

Was Japan a dictatorship in WWII? Yes, Japan was considered a dictatorship during World War II. During World War II, Japan was led by Hideki Tojo, who was a military dictator.

Was Japan a superpower in WWII? Japan was not militarily or economically powerful enough to fight a long war against the United States, and the Japanese military knew this.

What was the aftermath of the Boston Police Strike? In the aftermath, the courts treated those who were arrested harshly, and many newspapers compared the incident to the Bolshevik Revolution. The city hired a new police force who received many of the improvements and pay increases that the striking officers had demanded.

Why do you think the Boston police strike received so much attention? On September 9, 1919, more than 1,100 members of the Boston Police Department went out on strike, seeking recognition for their trade union, fair wages and decent working conditions. It was the first ever strike by a public employees union in U.S. history.

Why was the Boston Police Strike important quizlet? Why was the Boston Police Strike important? It was important because there's no right to strike against the public's safety. How did the steel strike affect the steel worker's union? They hired Mexican workers as replacements for the people who quit.

Who was the serial killer in the Boston police?

What happened to the Boston police strikers when they tried to return to work? Labor was plentiful, by mid-December Commissioner Curtis had hired an entirely new police force at increased wages and with better working conditions. The state guard was was able to return to their homes, and no striking officer returned to the Boston police force.

How did the Boston Police Strike start? Lesson Summary. The Boston Police Strike of 1919 officially began on September 9, 1919. It was the result of police officers trying to unionize, which they attempted due to their desire for better working conditions and higher wages. At the time, a police officer only made half of what a carpenter made.

Why was the Boston Massacre controversial? The Boston Massacre had a major impact on relations between Britain and the American colonists. It further incensed colonists already weary of British rule and unfair taxation and roused them to fight for independence.

Why do you think the Boston police strike received so much attention? On September 9, 1919, more than 1,100 members of the Boston Police Department went out on strike, seeking recognition for their trade union, fair wages and decent working conditions. It was the first ever strike by a public employees union in U.S. history.

What happened to the striking police officers in Boston when they decided to strike for higher pay and the ability to unionize? Of the 1,544 employed Boston officers, 1,117 did not come to work on 21 August. Governor Coolidge enlisted 100 members of the state's Metropolitan Park Police to replace the striking officers. 58 of the enlisted Park Police refused to participate and were suspended from their jobs.

Why did the public turn against strikers in the 1920s? Why did the public opinion turn against strikers? The public believed the strikes were apart of a revolution against the US. Why did labor union membership decline in the 1920's? Immigrants were willing to work for low wages.

What is QRS complex detection? QRS complex is the most protruding feature in the ECG with R-peak as the most significant wave. With the help of QRS detection, other components in the ECG signals can be found, such as P wave, T wave, RR interval and PR interval, etc.

What is the QRS detection method? The QRS complex detection algorithm proposed in this paper is mainly divided into four steps: (1) ECG preprocessing, including band-pass filtering, forward first-order difference and amplitude

normalization; (2) SEE extraction, including Shannon energy calculation, extracting envelope spectrum by moving average filter; ...

What is the QRS complex analysis? In adults, the QRS complex normally lasts 80 to 100 ms; in children it may be shorter. The Q, R, and S waves occur in rapid succession, do not all appear in all leads, and reflect a single event and thus are usually considered together. A Q wave is any downward deflection immediately following the P wave.

What is the QRS complex used for? The QRS complex is the main spike seen in the standard ECG. It is the most obvious part of the ECG, which is clearly visible. The QRS complex represents the depolarization of ventricles. It shows the beginning of systole and ventricular contraction.

What is QRS detection in ECG signals? The QRS complex is detected in each lead of the 12 lead ECG signal using a combination of the Wavelet transform, Hilbert transform, and adaptive thresholding. The proposed multi-lead fusion algorithm amalgamates the QRS complex detected in each of the 12 leads of the observed ECG signal.

What does an abnormal QRS complex indicate? A wide QRS complex despite sinus rhythm is the hallmark of bundle branch block. Left bundle branch block (LBBB) can cause the ECG to look extremely abnormal (see Figure 13). When faced with such an ECG – after calculating rate, rhythm, and axis – check the width of the QRS complex.

What does QRS stand for? Auricle diastole. Auricular repolarization. Ventricular depolarization. Cardiac cycle.

How to correctly measure QRS complex?

How do you know if QRS complex is positive or negative? Net direction of the QRS complex The QRS complex can be classified as net positive or net negative, referring to its net direction. The QRS complex is net positive if the sum of the positive areas (above baseline) exceeds that of the negative areas (below baseline).

What is QRS in testing? A combination of the Q wave, R wave and S wave, the "QRS complex" represents ventricular depolarization. This term can be confusing, as

not all ECG leads contain all three of these waves; yet a "QRS complex" is said to be present regardless.

What should the QRS complex measure? Normal QRS width is 70-100 ms (a duration of 110 ms is sometimes observed in healthy subjects). The QRS width is useful in determining the origin of each QRS complex (e.g. sinus, atrial, junctional or ventricular). Narrow complexes (QRS 100 ms) are supraventricular in origin.

What is the difference between QRS complex and QRS interval? The QRS interval covers the QRS complex from beginning to end. [The QRS complex also covers an interval]. The QT interval starts at the start of the QRS and ends at the end of the T wave. It denotes the electrical systole of the heart.

What is considered an abnormal characteristic of the QRS complex? Prolongation of QRS duration implies that ventricular depolarization is slower than normal. The QRS duration is generally 0,10 seconds but must be 0,12 seconds. If the QRS duration is ? 0,12 seconds (120 milliseconds) then the QRS complex is abnormally wide (broad).

How to tell if an ECG is abnormal?

What is the normal range for the QRS complex? QRS complex: 80-100 milliseconds. ST segment: 80-120 milliseconds. T wave: 160 milliseconds. QT interval: 420 milliseconds or less if heart rate is 60 beats per minute (bpm)

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What is a QRS test?

What does QRS stand for? Auricle diastole. Auricular repolarization. Ventricular depolarization. Cardiac cycle.

How do you determine the QRS complex? The QRS complex duration is measured from the beginning of the Q wave to the end of the S wave. Normal duration is up to 0.04 second in cats, 0.05 second in small dogs, and 0.06 second in large dogs. A QRS complex that is too wide indicates left ventricular enlargement

(Figure 4-27).

What is the principle of moisture test? Typically, moisture content is determined via a thermogravimetric approach, i.e., by loss on drying, in which the sample is heated and the weight loss due to evaporation of moisture is recorded.

What are the methods of measuring humidity? Humidity may be measured or determined (1) by the chemical or "absolute" method, whereby the actual amount of water in a given space, or its pressure, is obtained by means of absorptive chemicals, (2) from the temperature of condensation, (3) by the psychrometric method (dry-and-wet-bulb thermometers) or (4) by the ...

How to measure moisture in the air? Humidity is measured using a hygrometer, a tool that utilizes various materials and measurements to gauge a room or space's level of water vapor. While no scientific measurement is absolutely true, reaching humidity measurements that are as accurate as possible is crucial across industries.

What unit is humidity measured in? Absolute humidity is the amount of moisture present in a particular volume of air and is typically measured in g/kg. Relative humidity (RH) is the relationship between the actual amount of moisture present and the maximum amount the air could contain. This is always measured as a percentage.

How to measure moisture in food? Methods for Moisture Determination in Food QC scientists use gravimetric, chemical, and physical methods to determine moisture content or water content. Thermo-gravimetric methods measure changes in the mass of a sample being weighed before and after drying. The term loss-on-drying refers to the total loss of mass.

What is the method of measuring moisture? Moisture is determined by measuring the loss in weight of the sample on heating. A standard method (ISO 1442: 1997) used consists of drying a sample of 5–8 g, mixed with predried sand, to constant weight with 2 h periods in an oven at 103±2°C.

How do you measure and control humidity?

What does 100% humidity mean? If the relative humidity is 100 percent (i.e., dewpoint temperature and actual air temperature are the same), this does NOT

necessarily mean that precipitation will occur. It simply means that the maximum amount of moisture is in the air at the particular temperature the air is at.

What is the formula for measuring humidity? Find the saturation point using the formula: saturation point = 6.11 x 10^{7.5 x air temp} / {237.3 + air temp} Find the relative humidity using the formula: relative humidity = (specific humidity) / (saturation point) x 100.

How to control humidity? Use dehumidifiers and air conditioners, especially in hot, humid climates, to reduce moisture in the air, but be sure that the appliances themselves don't become sources of biological pollutants. Raise the temperature of cold surfaces where moisture condenses. Use insulation or storm windows.

How to know if a room is too humid? Place two or three ice cubes into a glass, add water and stir. Wait three to four minutes. If moisture does not form on the outside of the glass, the air is too dry; you may need a humidifier. If water has condensed on the outside of the glass, the level of relative humidity is high.

What humidity is too high? The ideal amount of humidity is around 30-50%. If your house's humidity is consistently higher than 50% or lower than 30%, you could be putting your home — and your health — at risk. If you have too much humidity in your home, you could face harmful mold and mildew growth, and even structural damage.

What is the difference between humidity and moisture? Moisture is water vapor present in the air, or water traces present in a substance such as the concrete wall in your basement. Humidity is a term for air in the context of weather and climate or in this case your basement space.

What does humidity tell you? Humidity is the amount of water vapor in the air. If there is a lot of water vapor in the air, the humidity will be high. The higher the humidity, the wetter it feels outside. On the weather reports, humidity is usually explained as relative humidity.

What humidity level is uncomfortable? While there's no set humidity threshold above which general comfort level begins to deteriorate, NOAA typically considers relative humidity (RH) levels of 50% or more, and dewpoints (a more direct measure

of humidity) above 65 F (18 C) to be uncomfortably high.

How do you measure moisture content in solids? Measurements of mass loss on drying are used to evaluate moisture content. We offer this type of measurement using a drying oven and an analytical balance with traceability to NPL mass standards. A thermogravimetric moisture analyser (bench-top integrated heater and balance) is also available.

What food has high water content?

How do you measure humidity and moisture? The aspirated psychrometer measures humidity by measuring the difference between the dry-bulb temperature and wet-bulb temperature. The psychrometer consists of two thermometers of the same specifications, which are suspended side by side in the air.

How do you analyze moisture in food? Methods for Moisture Determination in Food QC scientists use gravimetric, chemical, and physical methods to determine moisture content or water content. Thermo-gravimetric methods measure changes in the mass of a sample being weighed before and after drying. The term loss-on-drying refers to the total loss of mass.

What is the best measure of moisture? Relative humidity – how saturated a gas (or a space) is with water vapour. This is the most commonly used measure of humidity. Usually expressed as a percentage, with the symbol "%rh", for example "The humidity is 51 %rh".

Can soil moisture content be greater than 100? It is expressed as a percentage. The maximum water content that soil can hold is called the saturation point. At this point, the soil is completely saturated with water and cannot hold any more water. However, in certain circumstances, the water content of soil can be greater than 100%.

What is the principle of moisture detection? Most modern electronic moisture meters utilize the capacitance principle in which moisture is calculated from electrical measurements on a capacitor having a sample of seeds packed between its plates, or a combination of capacitance and conductance, which additionally takes into account the electrical resistance of the ...

How does moisture testing work? Designed to detect actual moisture content, pin-type meters measure moisture through direct contact with the material being tested. Using the pins (electrodes) of its namesake, the meter determines moisture presence by measuring electrical resistance between its probes.

What is the working principle of moisture balance? A moisture balance is a device that uses loss on drying method, also called a thermogravimetric principle, to determine moisture content of a sample. A moisture balance is perfect for measuring moisture in food, pharma, chemical and other industries.

What is the purpose of moisture determination? Abstract. Moisture determination is one of the most important and most widely used measurements in the processing and testing of foods. Since the amount of dry matter in a food is inversely related to the amount of moisture it contains, moisture content is of direct economic importance to the processor and the consumer ...

How to add interior lights in V-Ray?

How to light a room in 3ds Max? One simple way to light a scene is to convert the default lighting into light objects by using the command Add Default Lights To Scene. Note: Add Default Lights To Scene works only if you have used the Viewport Configuration dialog to have the scene use two default lights.

How to set V-Ray light in 3ds Max?

What are the two types of lighting mostly used in 3ds Max? Lights. If you'd like to have dynamic shadows in your scene, or if you need to move the source of light (as with car lights), you may utilize light objects. Verge3D supports two types of lights provided by 3ds Max: standard and photometric.

How do you light an interior? Tip #1: You will need a variety of lighting in each room. For example, picture a kitchen with lighting units above your island, and task lighting underneath your cabinetry; or ceiling units in your living room with table top lamps around the perimeter. This combination of lighting will make the rooms more functional.

How do you add ambient lights?

What is ambient light in 3ds Max? The text also discusses ambient light. This is light that comes from objects in a scene, not from light sources. It is light that radiated from some light source, hit objects in the scene, and is now bouncing back from those objects (that do not radiate light themselves).

What is Arnold light in 3ds Max? There is a generic Arnold Light object where you can select the type of light in a combo and the parameters will change dynamically according to the selected type.

How to use Omni light in 3ds Max?

What is V-Ray light Gen? V-Ray Light Gen automatically generates a variety of lighting scenarios to choose from. It can illuminate exteriors or interiors with natural light using the V-Ray Sun & Sky system or a Dome light for image-based lighting (IBL) setup. There are two main categories - Exterior and Interior.

How to use photometric Lights in 3ds Max? On the Create panel, click Lights. Choose Photometric or Standard from the drop-down list. (Photometric is the default.) On the Object Type rollout, click the type of light you want to create.

How many Lights are there in V-Ray? In Vray, there are 4 types of lights that are most commonly used; rectangle light, spot light, omni light, and dome light. These are the 4 main lights I'll be focusing on in this tutorial.

What is directional light in 3ds Max? Directional lights cast parallel light rays in a single direction, as the sun does (for all practical purposes) at the surface of the earth. Directional lights are primarily used to simulate sunlight. You can adjust the color of the light and position and rotate the light in 3D space.

What is 3 point lighting in 3ds Max? Here's what they look like in 3DS MAX. The three point lighting system works by placing a key, fill and back light around an object or scene. The Key light is placed in front of the object at an angle. This light is the strongest of the three.

How to make light glow in 3ds Max? Default menu: Rendering menu > Effects > Environment and Effects dialog > Effects panel > Add > Add Effect dialog > Lens Effects > Choose Glow, and click the (>) arrow button.

What are the four types of interior lighting?

What is the interior lighting? Lighting in interior design refers to the deliberate use of light to enhance the aesthetic and purpose of a specific space. Interior designers monitor the selection, placement, and control of mixed light sources to create a desired ambience, highlight certain features, and provide functional illumination for tasks.

How do I create an interior lighting plan? Choosing Lighting Fixtures and Placement Draw light circles where ambient lights like chandeliers will be placed for overall illumination, mark specific areas for task lighting such as under-cabinet lights, and indicate spots for accent lighting using picture lights, or uplights.

What is ambience lighting? Also called general lighting, ambient lighting provides overall illumination for a room, and is intended to create a uniform light level throughout a space, independent of any special lighting that may be needed in targeted areas of a room.

How do I activate ambient?

What is task lighting in interior design? Task lighting, as the name suggests, is designed to help people perform specific tasks. It provides concentrated light in a particular area to aid in activities such as reading, cooking, or working. Task lighting should be brighter than ambient lighting and focused on the project or hobby at hand.

How do you add interior lights in Revit?

Can you add lights to the inside of your car? One of the top ways to customize the interior of your vehicle is to install custom interior car lights. Custom interior car lights allow you to update the color and ambiance of your vehicle. Whether you want a cool blue light or a multi-color effect, custom lights are the way to achieve a unique look.

How to use dome light in VRay for SketchUp?

How do you add lights to Houdini? To add a light, select one of light tools such as Dome from the RenderMan Shelf which automatically creates a Pxr light OBJ. We can also add a light via the TAB menu in OBJ pane. All the Pxr lights are listed under the Render TAB Menu.

How do I create an interior lighting plan? Choosing Lighting Fixtures and Placement Draw light circles where ambient lights like chandeliers will be placed for overall illumination, mark specific areas for task lighting such as under-cabinet lights, and indicate spots for accent lighting using picture lights, or uplights.

Can interior designers use Revit? Yes, Revit is a versatile tool that can be applied to a wide range of projects, including both commercial and residential designs. Its adaptability, collaborative features, and data-driven approach make it a valuable asset for interior designers regardless of the project type.

How do I set interior lights in Enscape? The Ambient Brightness slider in the Enscape Visual Settings -> Atmosphere tab can be adjusted to affect indoor lighting during daylight, but will also compensate for multi-bounce lighting by adding atmospheric brightness instead.

Are LED lights illegal in cars? California Laws on Headlights Therefore, LED and HID lights are legal with a few stipulations: They are an OEM feature on a vehicle. In other words, they came standard with a vehicle and are not aftermarket parts.

Is it illegal to have LED lights inside your car in Texas? So while it is not illegal to have LED lights inside your car, you can still get pulled over simply for creating distractions.

Is it illegal to have LED lights inside your car in California? You may think that LED interior lights in a car can only disturb other drivers. If the only purpose of using lights grown in your car is to mimic a patrol car, it is illegal to do so. You can have LED interior lights in your car.

How to use skylight in 3ds Max?

How do you add lights to a V-Ray?

Does V-Ray work with SketchUp? V-Ray is a powerful SketchUp rendering plugin that empowers architects and designers to efficiently design and communicate their ideas.

How do you make automated lights? To automate lighting with an occupancy or motion sensor, there are two options: directly install a sensorlight lamp with a built-in motion sensor or use a motion sensor for existing lights.

How to install free Houdini?

How do I install smart lighting?

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CHAPTER 12 SECTION 1 NOTETAKING STUDY

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