



THE SCHOOL DISTRICT OF PALM BEACH COUNTY SCHOOL CALENDAR 2023-2024

School Board Approved 06/01/2022

STUDENTS AND ALL EMPLOYEES EXCEPT 12 MONTH EMPLOYEES
12 MONTH EMPLOYEES
ALL OTHER EMPLOYEES SEE EMPLOYEE CALENDAR NOTES
16 HOUR DAYS FOR 12 MONTH EMPLOYEES

DUTY PER NO SCHOOL TEACHER WORK (NON-PROFESSIONAL DEVELOPMENT DAY)
NO SCHOOL

APRIL 2024					MAY 2024					JUNE 2024				
MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
1	2	3	4	5			6	7	8	9	10	11	12	13
6	8	9 HOLIDAY	10	11	12	14	7	8	9	10	11	12	13	14 District Closure
13	14	15	16	17	18	19	14	15	16	17	18	19	20	21 District Closure
20	21	22	23	24	25	26	27	28	29	30	24	25	26	27 District Closure
28	29					30 HOLIDAY	31	1	2 Last Day of School for Students	3 DUTY PERIOD NO SCHOOL				
HOLIDAYS					EMERGENCY MAKE-UP DAYS (EMD)					EMPLOYEE CONTRACT PERIODS				
DATE		HOLIDAY				Emergency Make-Up days (EMD) will be at the discretion of the Superintendent in accordance with the state statute for student instructional time.					EMPLOYEE CATEGORY	# DAYS	BEGIN	END
Jul 4, 2023		Independence Day		X	X						Selected Teachers (T)	188	8/8/2023	5/30/2024
Sept 4, 2023		Labor Day		X	X	Teachers & Assistant Principals (T & A)	250	7/1/2023	6/30/2024					
Sept 25, 2023		Fall Holiday		X			196	8/8/2023	5/31/2024					
Nov 29 – Dec 1, 2023		Thanksgiving Break		X	X	206	7/24/2023	6/3/2024						
Dec 26, 2023 – Jan 1, 2024		Winter Break		X	X	216	7/10/2023	6/4/2024						
Jan 4-5, 2024		Winter Break		X		226	7/10/2023	6/18/2024						
Jan 16, 2024		Dr. Martin Luther King Jr. Day		X	X	240	7/1/2023	6/30/2024						
Mar 18-22, 2024		Spring Break		X		All Other Employees (NT)	180	8/10/2023	5/30/2024					
Mar 26, 2024		Spring Holiday		X			180 + 2 Asst Days	8/10/2023	5/30/2024					
Apr 10, 2024		Spring Holiday		X		182	8/8/2023	5/30/2024						
May 27, 2024		Memorial Day		X	X	187	8/4/2023	5/31/2024						
ELEMENTARY SCHOOLS STUDENTS' ATTENDANCE DAYS					SECONDARY SCHOOLS STUDENTS' ATTENDANCE DAYS					Please see Employee Calendar Notes for additional information regarding workdays. It is each employee's responsibility to know their workdays for the school year.				
PERIOD	BEGIN	END	# DAYS		PERIOD	BEGIN	END	# DAYS						
1 st Trimester	Aug 14, 2023	Oct 31, 2023	56		1 st Quarter	Aug 14, 2023	Oct 13, 2023	44						
2 nd Trimester	Nov 1, 2023	Feb 16, 2024	56		2 nd Quarter	Oct 14, 2023	Dec 20, 2023	44						
3 rd Trimester	Feb 19, 2024	May 30, 2024	55		3 rd Quarter	Jan 8, 2024	Mar 15, 2024	47						
					4 th Quarter	Mar 18, 2024	May 30, 2024	45						
ELEMENTARY SCHOOLS REPORT CARD DISTRIBUTION DATES					SECONDARY SCHOOLS REPORT CARD DISTRIBUTION DATES									
PERIOD	ELEMENTARY SCHOOLS				PERIOD	SECONDARY SCHOOLS								
1 st Trimester	Nov 26, 2023				1 st Quarter	Oct 26, 2023								
2 nd Trimester	Feb 12, 2024				2 nd Quarter	Jan 17, 2024								
3 rd Trimester	May 30, 2024				3 rd Quarter	Apr 11, 2024								
					4 th Quarter	May 30, 2024								
TEACHERS' & ASST. PRINCIPALS' PAID HOLIDAYS					SECONDARY SEMESTERS									
DATE					PERIOD	BEGIN	END	# DAYS						
Sep 4, 2023	Jan 1, 2024				1 st Semester	Aug 14, 2023	Dec 20, 2023	56						
Nov 26, 2023	May 27, 2024				2 nd Semester	Jan 8, 2024	May 30, 2024	50						
Dec 26, 2023														

Purpose: to S.D. 101.02(2)(b) P.B. By following the legal holidays are just holidays for all regular full-time 12 month employees not represented by CTA. Independence Day, Labor Day, Thanksgiving Day, New Year's Day, Dr. Martin Luther King Jr. Day and Memorial Day. In addition, some employees may have other paid holidays that are considered not to be legal holidays as provided in their Labor Agreements and the School Calendar.

Spring Break 2015 West Palm Beach County

**Congress (U S) Joint Committee on
Printing**



Spring Break 2015 West Palm Beach County:

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this video accompanies the chm 252 lab nitration of bromobenzene in this video students will get an introduction to the lab as well as the set up for conducting the reaction students should

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for the nitration 4 01 ml of nitric acid 4 00 ml of sulfuric acid and 4 56 ml bromobenzene were used to complete the reaction with these measurements bromobenzene was found to be the limiting reagent since only 4 56 ml of bromobenzene was used the amount of product predicted to be recovered was 8 7533 g

lab 334 nitration of aromatic compounds preparation of studocu - Dec 23 2022

the aim of the experiment is to determine and study electrophilic aromatic substitution reaction eas particularly nitration of methyl benzoate go give methyl m nitrobenzoate thus determine the weight melting point and percentage yield of the pure methyl m nitrobenzoate abstract

experiment synthesis of 1 bromo 4 nitrobenzenee pbworks - May 28 2023

in this experiment we will carry out the nitration of bromobenzene bromine substituted on an aromatic ring is an ortho para directing group it will direct an incoming electrophile to the ortho and para positions it is also deactivating meaning that its reactions will be slower than the identical reactions of benzene

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section 20711 lab experiment nitration of bromobenzene introduction the chemical reaction of nitration consists of a nitro group being added to or substituted in a molecule nitration can basically be carried out by a mixture of concentrated nitric acid and sulfuric acid this mixture is useful to obtain the active nitronium ion

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1 go to the restroom and wash the affected area with lots of soap and water the soap in the lab is not suitable for this purpose 2 return to the lab and apply mineral oil to the affected area 3 the summary to this warning is not to touch any part of your body while performing this experiment if you must leave the lab for any reason 1

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in the nitration of bromobenzene a mixture of sulfuric acid and nitric acid react with one another nitric acid the weaker of the two acids will serve as base to form nitronium ion bromobenzene will attack the nitronium ion by nucleophilic attack

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nitration of bromobenzene lab report improved essays 731 words 3 pages open document essay sample check writing quality show more this experiment was performed in order to demonstrate the principles of nitration through electrophilic aromatic substitution it also examined the effects of bromine on an aromatic ring ortho para vs meso directing

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then actual is your actual findings yield actual theoretical x 100 what are the possible side reactions of nitration of bromobenzene dinitration can occur at ortho para or at both ortho positions occurs in overheating meta product happens very rarely because bromine is an ortho para director

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the soap in the lab is not suitable for this purpose 2 return to the lab and apply mineral oil to the affected area theory and explanation of the nitration of bromobenzene if the temperature of the reaction mixture exceeds 60 o

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the bromine substituent in bromobenzene is an ortho para director the para position is favored due to steric effects in the reaction that takes place in this lab a nitro group is substituted onto bromobenzene at the para position to form 1 bromo 4 nitrobenzene

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study with quizlet and memorize flashcards containing terms like reacting sulfuric and nitric acid together produces the nitronium ion alone nitric acid is not a strong enough electrophile to react with bromobenzene sulfuric acid is added to the nitric acid the reverse rxn can overheat and boil easily includes a claisen adaptor and

nitration of bromobenzene 6 nitration of bromobenzene 10 19 - Oct 01 2023

over 5 minutes slowly pipet this bromobenzene into the icy cold nitration mixture hno₃ h₂so₄ in the 125 ml flask and stir continue to stir the reaction mixture in the ice bath for 30 minutes do not heat in a new 250 ml erlenmeyer

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on the right the arenium cation has a nitro set with incredibly small 0.6 angstrom bond distances this will result in an optimization failure as the atoms are even close for the programme to accomodate their electrons demonstration of creating the p arenium cation by to nitration of bromobenzene

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lab report 15 nitration of bromobenzene brynn abbott amp katie muerer bea0006 uah ch 336 02 september 21 2022 abstract in this experiment the electrophilic aromatic substitution mechanism was used to obtain 4 nitrobromobenzene and 2 nitrobromobenzene recrystallization was used to purify 4 nitrobromobenzene

nitration of bromobenzene the purpose of this lab was to - Jul 30 2023

the purpose of this lab was to observe where substituents are added on a benzene ring by way of electrophilic aromatic substitution the electrophilic source in the nitration of bromobenzene comes from a nitronium ion no₂⁺ which acts as the electrophilic species

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nitration of bromobenzene is an electrophilic aromatic substitution reaction the electrophile will be formed from 4.0ml of nitric acid and 4.0ml of sulfuric acid and will then react with 4.5ml of bromobenzene this will produce o bromonitrobenzene and p bromonitrobenzene

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experimental spectra reaction a fluorobenzene stock fluorobenzene 1 h 1 h 19 f 19 f 13 c nmr fid for reference only sample 1 h 1 h 19 f 19 f 13 c nmr eas nitration of fluorobenzene crude product not available for submission for credit

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lab writeup the purpose of this lab was to observe where substituents are added on benzene ring way of electrophilic aromatic substitution the electrophilic

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chem 2261 lab 5 nitration of bromobenzene introduction an electrophilic aromatic substitution reaction is an important

process that allows for intermediate chemical structures to be used as precursors to pharmaceuticals and other industrially produced chemicals by adding different functional groups into an aromatic ring

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lab report 10 nitration of bromobenzene raekwon filmore cm 244 section 40 march 27 2018 introduction for this experiment nitration of bromobenzene was the focus of the lab the benzene is an aromatic compound and when it reacts with wither a mixture of sulfuric acid or nitric acid creates what is known as a nitro group