



Multibhashi



Review 5



Class Objective

To review the concepts done so far.



Concept A: Seasons, Months und Weather

winter	der Winter	<i>dehr vin-ter</i>
spring	der Frühling	<i>dehr frew-ling</i>
summer	der Sommer	<i>dehr zom-mer</i>
autumn	der Herbst	<i>dehr hehrpst</i>



Seasons with months :

Jahreszeit	Monate
der Frühling das Frühjahr (Adj.) frühlingshaft	März, April, Mai im Frühling - in the spring
der Sommer (Adj.) sommerlich	Juni, Juli, August im Sommer - in the summer
der Herbst (Adj.) herbstlich	September, Oktober, November Im Herbst - in the fall/autumn
der Winter (Adj.) winterlich	Dezember, Januar, Februar Im Winter - in the winter



Concept A: Seasons, Months und Weather

Fragen	Questions
Wie ist das Wetter heute?	What's the weather like today?
Ist es warm/kalt/kühl?	Is it warm/cold/cool?
Wie viel Grad ist es?	What's the temperature? "How many degrees is it?"
Scheint die Sonne?	Is the sun shining?
Wo ist mein Regenschirm?	Where's my umbrella?



Concept A: Seasons, Months und Weather

Fragen	Questions
ES + VERB	
Es regnet.	It's raining.
Es blitzt.	There's lightning.
Es donnert.	It's thundering.
Es schneit.	It's snowing.
Es hagelt.	It's hailing.

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **WORLD** **OF** **THE** **21** **ST** **CENTURY**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**
OF **THE** **CITY** **OF** **NEW** **YORK**
100 **WEST** **42** **STREET** **NEW** **YORK** **10014**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**
OF **THE** **CITY** **OF** **NEW** **YORK**
100 **WEST** **42** **STREET** **NEW** **YORK** **10014**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**
OF **THE** **CITY** **OF** **NEW** **YORK**
1000 YORK AVENUE, NEW YORK, N. Y. 10022

NEW **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **WORLD** **IS** **CHANGING**
AND **WE** **ARE** **CHANGING**
WITH **IT**

THE **WORLD** **IS** **CHANGING**

AND **WE** **ARE** **CHANGING**

WITH **IT**

THE **WORLD** **IS** **CHANGING**

AND **WE** **ARE** **CHANGING**

WITH **IT**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**
OF **THE** **CITY** **OF** **NEW** **YORK**
100th Street, New York, N.Y.

NEW **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **WORLD** **IS** **CHANGING**
AND **WE** **ARE** **CHANGING**
WITH **IT**

THE **WORLD** **IS** **CHANGING**

AND **WE** **ARE** **CHANGING**

WITH **IT**

THE **WORLD** **IS** **CHANGING**

AND **WE** **ARE** **CHANGING**

WITH **IT**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**
OF **THE** **CITY** **OF** **NEW** **YORK**
1000 5th Avenue, New York, N.Y. 10028
Tel: (212) 875-5000

NEW **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**
OF **THE** **CITY** **OF** **NEW** **YORK**
1000 5th Avenue, New York, N.Y. 10028
Tel: (212) 875-5000

NEW **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**
OF **THE** **CITY** **OF** **NEW** **YORK**
1000 5th Avenue, New York, N.Y. 10028
Tel: (212) 875-5000

NEW **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
PHYSICAL CHEMISTRY
PHYSICAL CHEMISTRY

PHYSICAL CHEMISTRY

PHYSICAL CHEMISTRY

PHYSICAL CHEMISTRY

PHYSICAL CHEMISTRY

PHYSICAL CHEMISTRY

PHYSICAL CHEMISTRY

THE **WORLD** **IS** **CHANGING**
AND **WE** **ARE** **CHANGING**
WITH **IT**

THE **WORLD** **IS** **CHANGING**

AND **WE** **ARE** **CHANGING**

WITH **IT**

THE **WORLD** **IS** **CHANGING**

AND **WE** **ARE** **CHANGING**

WITH **IT**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**
OF **THE** **CITY** **OF** **NEW** **YORK**
1000 YORK AVENUE, NEW YORK, N. Y. 10022

NEW **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **WORLD** **IS** **CHANGING**
AND **WE** **ARE** **CHANGING**
WITH **IT**

THE **WORLD** **IS** **CHANGING**

AND **WE** **ARE** **CHANGING**

WITH **IT**

THE **WORLD** **IS** **CHANGING**

AND **WE** **ARE** **CHANGING**

WITH **IT**

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

PHYSICS 439: QUANTUM MECHANICS

PHYSICS 439

PHYSICS 439

PHYSICS 439

PHYSICS 439

PHYSICS 439

PHYSICS 439

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

PHYSICS 230: QUANTUM MECHANICS

LECTURE 10: THE HARMONIC OSCILLATOR

1. THE HARMONIC OSCILLATOR

2. THE HARMONIC OSCILLATOR

3. THE HARMONIC OSCILLATOR

4. THE HARMONIC OSCILLATOR

5. THE HARMONIC OSCILLATOR

THE **WORLD** **OF** **THE** **21** **ST** **CENTURY**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**
OF **THE** **CITY** **OF** **NEW** **YORK**
100th Street, New York, N. Y.

NEW **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**
OF **THE** **CITY** **OF** **NEW** **YORK**
1000 YORK AVENUE, NEW YORK, N. Y. 10022

NEW **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**
OF **THE** **CITY** **OF** **NEW** **YORK**
100th Street, New York, N. Y.

NEW **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **WORLD** **IS** **CHANGING**
AND **WE** **ARE** **CHANGING**
WITH **IT**

THE **WORLD** **IS** **CHANGING**

AND **WE** **ARE** **CHANGING**

WITH **IT**

THE **WORLD** **IS** **CHANGING**

AND **WE** **ARE** **CHANGING**

WITH **IT**

THE **WORLD** **IS** **CHANGING**
AND **WE** **ARE** **CHANGING**
WITH **IT**

THE **WORLD** **IS** **CHANGING**

AND **WE** **ARE** **CHANGING**

WITH **IT**

THE **WORLD** **IS** **CHANGING**

AND **WE** **ARE** **CHANGING**

WITH **IT**

THE **WORLD** **IS** **CHANGING**
AND **WE** **ARE** **CHANGING**
WITH **IT**

THE **WORLD** **IS** **CHANGING**

AND **WE** **ARE** **CHANGING**

WITH **IT**

THE **WORLD** **IS** **CHANGING**

AND **WE** **ARE** **CHANGING**

WITH **IT**

THE **WORLD** **IS** **CHANGING**
AND **WE** **ARE** **CHANGING**
WITH **IT**

THE **WORLD** **IS** **CHANGING**

AND **WE** **ARE** **CHANGING**

WITH **IT**

THE **WORLD** **IS** **CHANGING**

AND **WE** **ARE** **CHANGING**

WITH **IT**

THE **WORLD** **IS** **CHANGING**
AND **WE** **ARE** **CHANGING**
WITH **IT**

THE **WORLD** **IS** **CHANGING**

AND **WE** **ARE** **CHANGING**

WITH **IT**

THE **WORLD** **IS** **CHANGING**

AND **WE** **ARE** **CHANGING**

WITH **IT**

THE **WORLD** **IS** **CHANGING**
AND **WE** **ARE** **CHANGING**
WITH **IT**

THE **WORLD** **IS** **CHANGING**

AND **WE** **ARE** **CHANGING**

WITH **IT**

THE **WORLD** **IS** **CHANGING**

AND **WE** **ARE** **CHANGING**

WITH **IT**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**
OF **THE** **CITY** **OF** **NEW** **YORK**
100th Street, New York, N. Y.

NEW **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **WORLD** **IS** **CHANGING**
AND **WE** **ARE** **CHANGING**
WITH **IT**

THE **WORLD** **IS** **CHANGING**

AND **WE** **ARE** **CHANGING**

WITH **IT**

THE **WORLD** **IS** **CHANGING**

AND **WE** **ARE** **CHANGING**

WITH **IT**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**
OF **THE** **CITY** **OF** **NEW** **YORK**
100th Street, New York, N. Y.

NEW **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
PHYSICAL CHEMISTRY
PHYSICAL CHEMISTRY

PHYSICAL CHEMISTRY

PHYSICAL CHEMISTRY

PHYSICAL CHEMISTRY

PHYSICAL CHEMISTRY

PHYSICAL CHEMISTRY

PHYSICAL CHEMISTRY

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**
OF **THE** **CITY** **OF** **NEW** **YORK**
100th Street, New York, N. Y.

NEW **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**
OF **THE** **CITY** **OF** **NEW** **YORK**
100 **WEST** **42** **STREET** **NEW** **YORK** **10014**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**
OF **THE** **CITY** **OF** **NEW** **YORK**
1000 YORK AVENUE, NEW YORK, N. Y. 10022

NEW **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**
OF **THE** **CITY** **OF** **NEW** **YORK**
1000 YORK AVENUE, NEW YORK, N. Y. 10022

NEW **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
PHYSICAL CHEMISTRY
PHYSICAL CHEMISTRY

PHYSICAL CHEMISTRY

PHYSICAL CHEMISTRY

PHYSICAL CHEMISTRY

PHYSICAL CHEMISTRY

PHYSICAL CHEMISTRY

PHYSICAL CHEMISTRY

THE **WORLD** **OF** **THE** **21** **CENTURY**

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
PHYSICAL CHEMISTRY
PHYSICAL CHEMISTRY

PHYSICAL CHEMISTRY

PHYSICAL CHEMISTRY

PHYSICAL CHEMISTRY

PHYSICAL CHEMISTRY

PHYSICAL CHEMISTRY

PHYSICAL CHEMISTRY

THE **WORLD** **IS** **CHANGING**
AND **WE** **ARE** **CHANGING**
WITH **IT**

THE **WORLD** **IS** **CHANGING**

AND **WE** **ARE** **CHANGING**

WITH **IT**

THE **WORLD** **IS** **CHANGING**

AND **WE** **ARE** **CHANGING**

WITH **IT**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**
OF **THE** **CITY** **OF** **NEW** **YORK**
100th Street, New York, N. Y.

NEW **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **WORLD** **IS** **CHANGING**
AND **WE** **ARE** **CHANGING**
WITH **IT**

THE **WORLD** **IS** **CHANGING**

AND **WE** **ARE** **CHANGING**

WITH **IT**

THE **WORLD** **IS** **CHANGING**

AND **WE** **ARE** **CHANGING**

WITH **IT**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**
OF **THE** **CITY** **OF** **NEW** **YORK**
100 **WEST** **42** **STREET** **NEW** **YORK** **10014**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**
OF **THE** **CITY** **OF** **NEW** **YORK**
1000 YORK AVENUE, NEW YORK, N. Y. 10022

NEW **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **WORLD** **IS** **CHANGING**
AND **WE** **ARE** **CHANGING**
WITH **IT**

THE **WORLD** **IS** **CHANGING**

AND **WE** **ARE** **CHANGING**

WITH **IT**

THE **WORLD** **IS** **CHANGING**

AND **WE** **ARE** **CHANGING**

WITH **IT**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**
OF **THE** **CITY** **OF** **NEW** **YORK**
1000 YORK AVENUE, NEW YORK, N. Y. 10022

NEW **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**
OF **THE** **CITY** **OF** **NEW** **YORK**
1000 YORK AVENUE, NEW YORK, N. Y. 10022

NEW **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **WORLD** **IS** **CHANGING**
AND **WE** **ARE** **CHANGING**
WITH **IT**

THE **WORLD** **IS** **CHANGING**

AND **WE** **ARE** **CHANGING**

WITH **IT**

THE **WORLD** **IS** **CHANGING**

AND **WE** **ARE** **CHANGING**

WITH **IT**

THE **NEW** **REVISION** **OF** **THE** **CONSTITUTION**
OF **THE** **UNITED** **STATES**
OF **AMERICA**
AND **THE** **AMERICAN** **REPUBLICS**
OF **THE** **WEST** **INDIES**

THE **NEW** **REVISION** **OF** **THE** **CONSTITUTION**
OF **THE** **UNITED** **STATES**
OF **AMERICA**

THE **NEW** **REVISION** **OF** **THE** **CONSTITUTION**
OF **THE** **UNITED** **STATES**
OF **AMERICA**

THE **NEW** **REVISION** **OF** **THE** **CONSTITUTION**
OF **THE** **UNITED** **STATES**
OF **AMERICA**

THE **NEW** **REVISION** **OF** **THE** **CONSTITUTION**
OF **THE** **UNITED** **STATES**
OF **AMERICA**

THE **NEW** **REVISION** **OF** **THE** **CONSTITUTION**
OF **THE** **UNITED** **STATES**
OF **AMERICA**

THE **NEW** **REVISION** **OF** **THE** **CONSTITUTION**
OF **THE** **UNITED** **STATES**
OF **AMERICA**

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

PHYSICS 230: QUANTUM MECHANICS

LECTURE 10

SCATTERING

PROFESSOR

PHYSICS 230

SCATTERING

PROFESSOR

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**
OF **THE** **CITY** **OF** **NEW** **YORK**
100 **WEST** **42** **STREET** **NEW** **YORK** **10014**

THE **WORLD** **OF** **THE** **21** **ST** **CENTURY**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**

THE **NEW** **YORK** **LIBRARY** **OF** **THE** **ARTS** **AND** **SCIENCES**