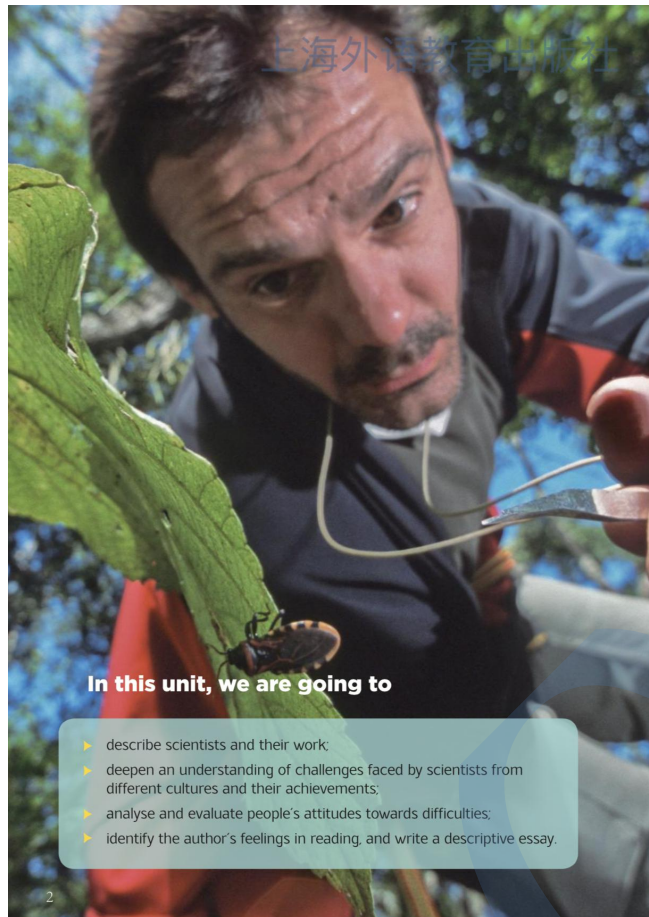


上海外语教育出版社



In this unit, we are going to

- ▶ describe scientists and their work;
- ▶ deepen an understanding of challenges faced by scientists from different cultures and their achievements;
- ▶ analyse and evaluate people's attitudes towards difficulties;
- ▶ identify the author's feelings in reading, and write a descriptive essay.

# 《高中英语》（上外版）

选择性必修第二册第一单元

## Scientists

授课教师：方维芊

# 《高中英语》（上外版）

## 选择性必修第2册第1单元



课时	授课内容
1	Getting Started/ Reading A
1	Reading A/ Vocabulary Focus
1	Reading A/ Grammar in Use
1	Listening, Viewing and Speaking
1	Reading B
1	Critical Thinking
1	Writing
1	Further Exploration/ Self-assessment

## 学习目标 Learning Objectives:

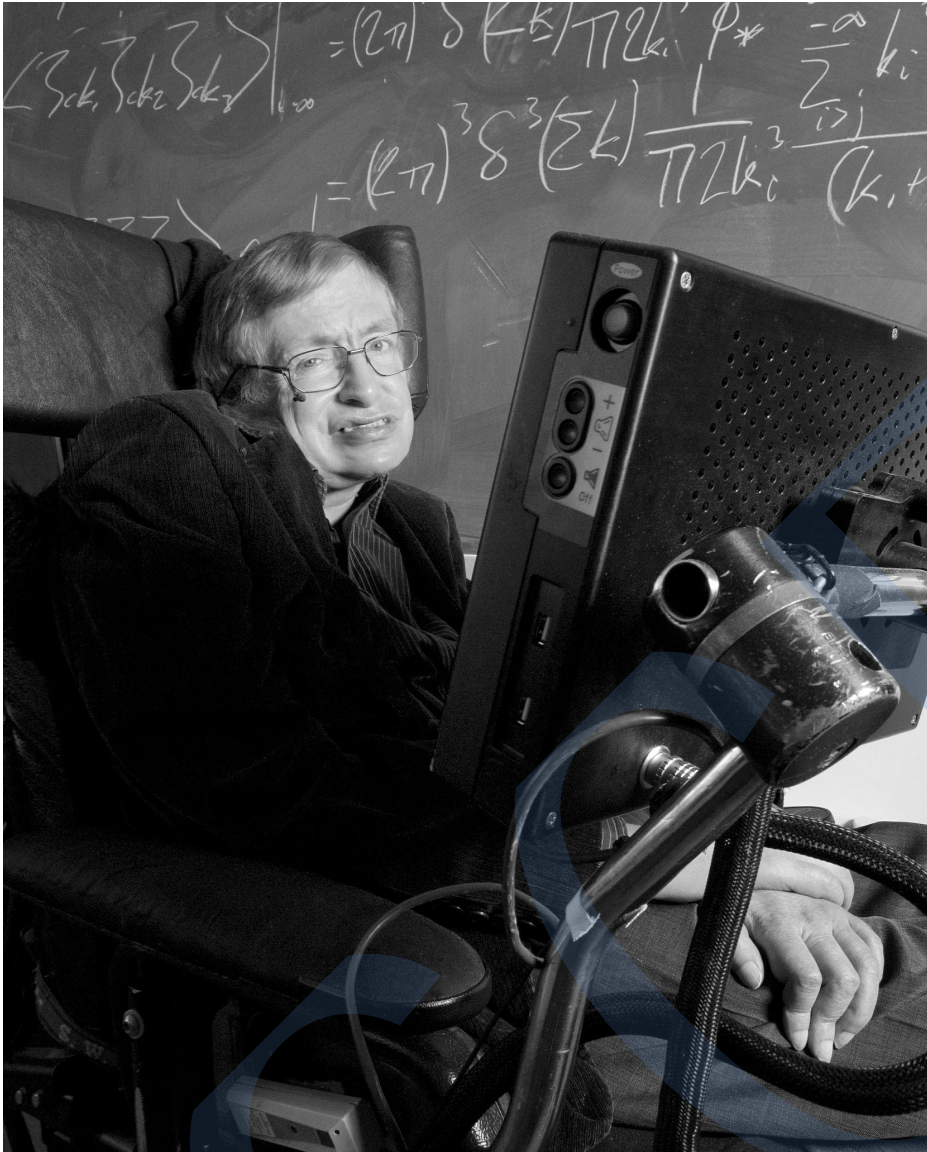
**At the end of the lesson, you will be able to ...**

1. 能通过听广播节目和看视频节目了解五位科学家及各自主要成就;  
have a general understanding of five scientists and their major achievements by listening to the radio program and watching the TV program;
2. 能通过分析霍金的引言及其所反映的情感变化, 和通过理解苦难与成功的关系, 总结霍金的精神品质;  
conclude Hawking's qualities by analyzing his emotional transition reflected in his quotes and understanding the relationship between suffering and success;
3. 能借助图片和笔记复述相关科学家的简介;  
retell introductions to the scientists with the aid of pictures and relevant notes;
4. 能通过互相推荐科学家组建完成单元大作业的合作小组。  
form groups for the final project by asking for or giving recommendations about a scientist.

## Assignment Feedback

I am respectful of Deng Jiaxian. He was devoted to carrying out atomic bomb tests, which accelerated China's hydrogen bomb development. His work was difficult and challenging, but pioneering and significant. He calculated huge amounts of complex data with an abacus and did a lot of life-threatening experiments for over 10 years. In spite of the heavy workload and the risk of nuclear radiation, he was so hardworking, selfless and perseverant that, without any recognition in his lifetime, the nameless hero persisted in doing research.

## Predict the Content



## “Steven Hawking”

The radio program mainly introduces Stephen Hawking’s \_\_\_\_\_.

- A.sufferings during his lifetime
- B.sufferings and great achievements
- C.attitudes towards science
- D.best-selling books

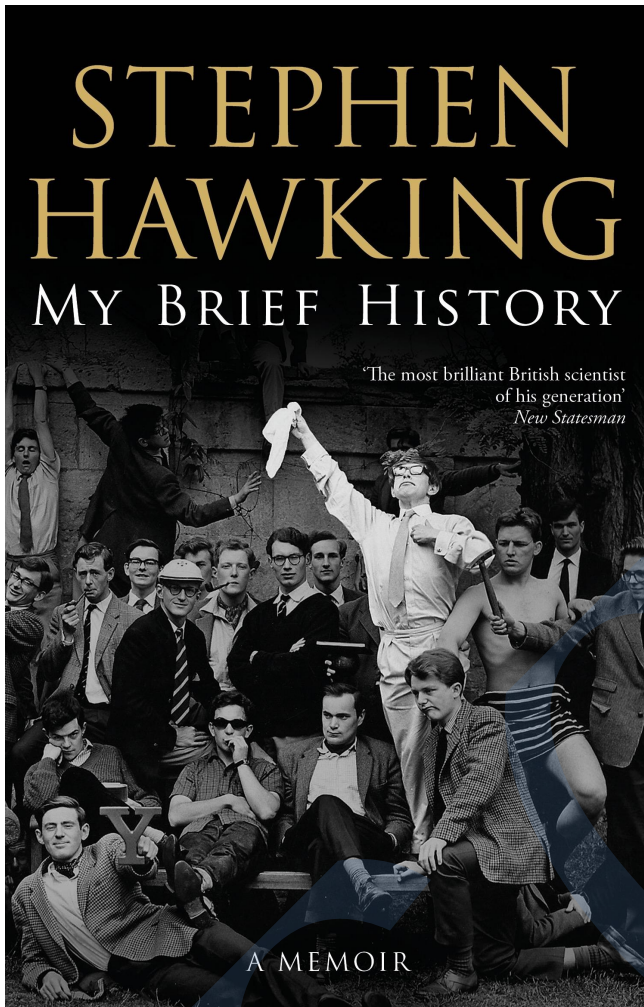


# Outline the Radio Program



Outline	Key Information
identity	theoretical physicist
	ALS possible outcome: _____ real difficulties: _____
	In the beginning: _____ 50 years later: _____
	(1) _____ (2) _____

# Identify the Key Information



Key Information

theoretical physicist

ALS

possible outcome: \_\_\_\_\_

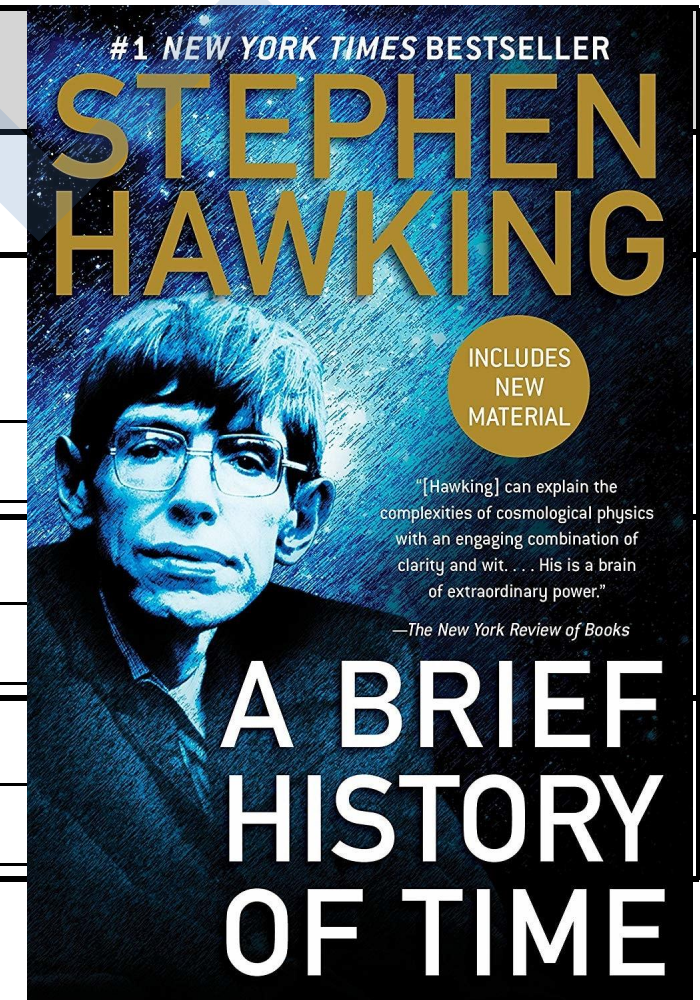
real difficulties: \_\_\_\_\_

In the beginning: \_\_\_\_\_

50 years later: \_\_\_\_\_

(1) \_\_\_\_\_

(2) \_\_\_\_\_





# Get the Main Idea and Answer the Questions

Where?



Marie Curie

a Nobel Prize winner

Shows?



Jane Goodall

animal behaviour,  
esp. chimpanzee behaviour

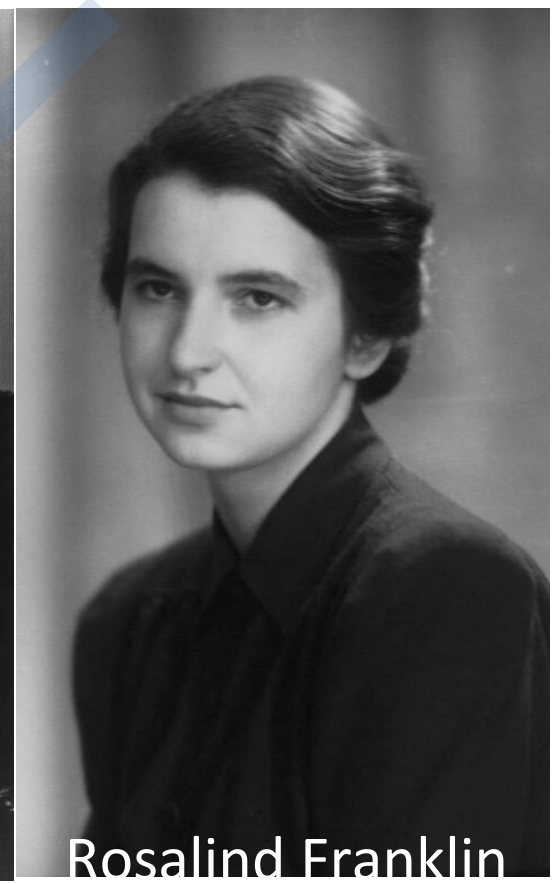
What?



Grace Hopper

development of modern  
computer software

How?



Rosalind Franklin

discovery of the  
structure of DNA

# Retell the Introductions

## Requirements:

1. Each group tells the introduction to **ONE** scientist.
2. Group members **TAKE TURNS** to introduce the content related to **ONE** picture respectively.
3. **ALL** pictures of the chosen scientist need to be covered in the introduction.
4. \*In my opinion, xxx is...because...



# Fun Da Mental FACTS

# Retell the Introductions

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# Retell the Introductions



Marie Curie



Jane Goodall



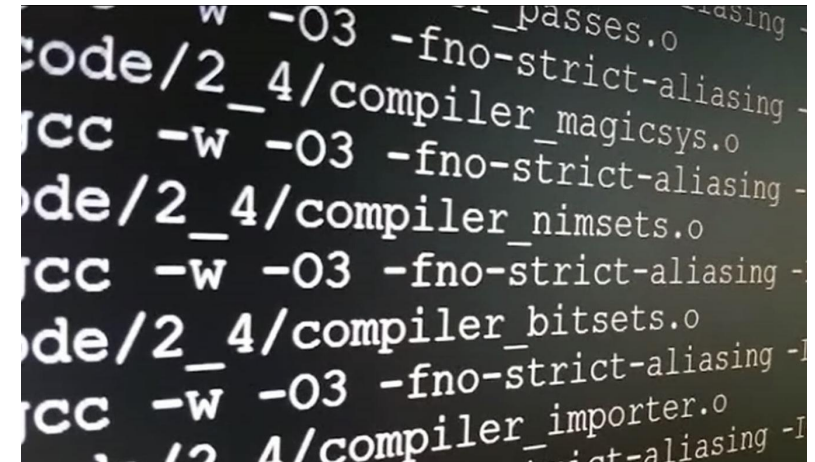
Grace Hopper



Rosalind Franklin

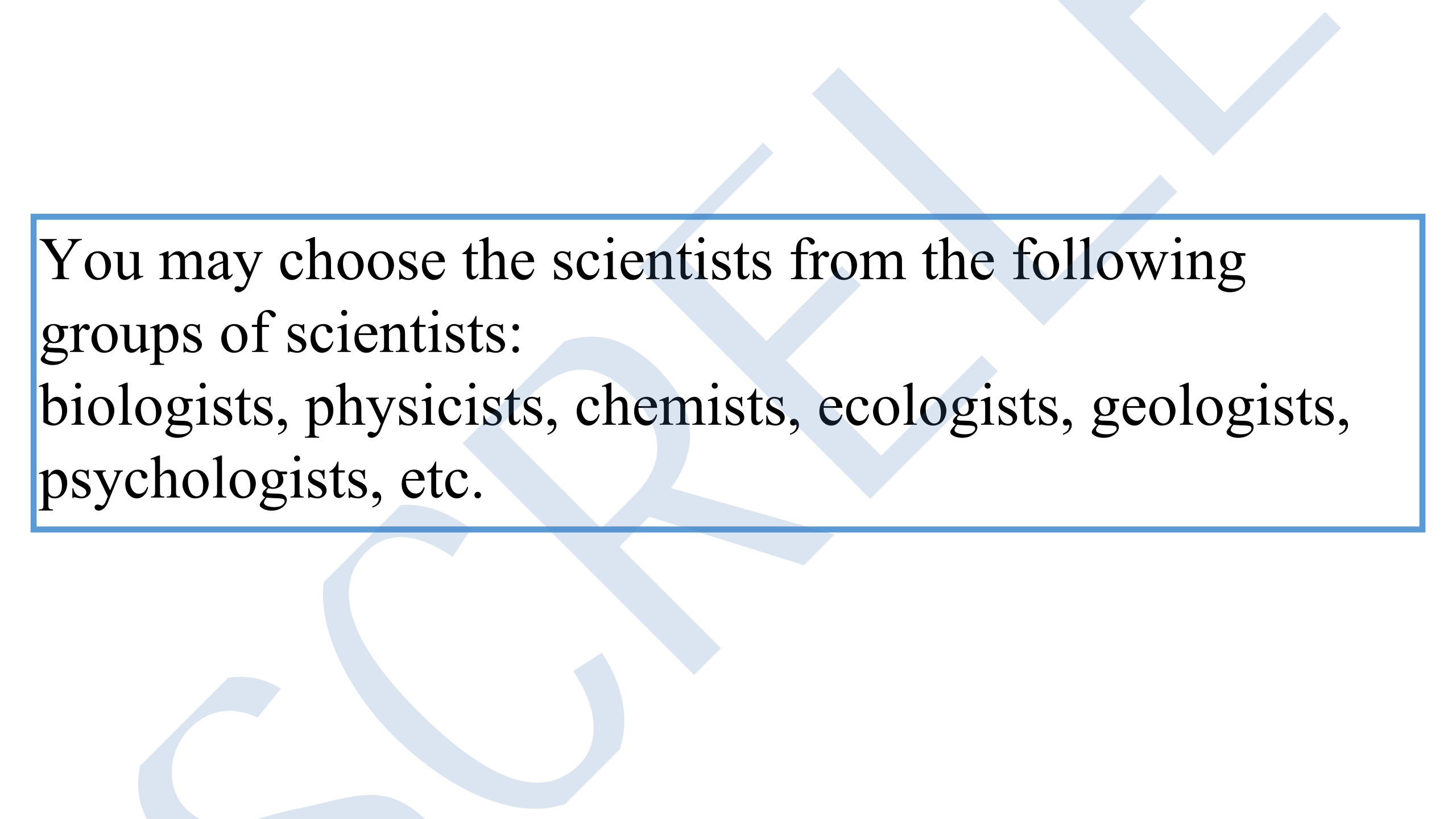
# Retell the Introductions

## Grace Hopper



## Group Project

- work in groups of 6 or 7



You may choose the scientists from the following groups of scientists:  
biologists, physicists, chemists, ecologists, geologists, psychologists, etc.

Key information to be included for EACH scientist:

1. Name of the scientist
2. A picture of the scientist
3. Years living (examples: 1901-1959;1973-?)
4. Birthplace
5. An introduction to his/her life story in the form of a timeline or a table
6. A paragraph introducing the significance of his/her contributions
7. Two important facts reflecting his/her qualities in the form of paragraphs
8. A quote from the scientist
9. A paragraph of your own opinion of the scientist

(Note: one page for each scientist)

# Recommend the Scientists

## Asking for Recommendations

- Who do you recommend?
- What type of scientist does he/she belong to?
- Why do you recommend him/her?
- What fact about him/her impressed you the most?
- What kind of qualities can be found in him/her?
- How do you evaluate him/her?

## Giving Recommendations

- I highly recommend xx because...
- I'd like to recommend xx for his/her contributions in the field of...
- What impressed/inspired me was that he/she...
- I find (a kind of quality) in him/her, which can be reflected by...
- I think he/she is -ing/-ed in that...

# Assignments

**Group work:** Decide the scientists your group wants to include in the final project.

**Step 1:** For each group member: Gather facts that reflect the qualities of the scientist that you want to recommend, and recommend the scientist to your group using the useful expressions learned in class.

**Step 2:** For each group: Use the organizer provided to note down the decision-making process. Then work in groups to write a paragraph of 60 to 80 words explaining **the common features** of all the chosen scientists.

Read Reading B carefully and complete the table in Exercise II on page 13.

Thank you !