
Morning Reading 晨读

Grade 10 · Week 2

Read each word aloud, then copy the English word three times. 朗读每个单词，然后把英语单词抄写三遍。

Reading 阅读

Read the passage aloud twice. 把短文朗读两遍。

Li Wei cycles to school every morning. When the road is empty, his **speed** is high. When he sees the school gate, he slows down. This is called **deceleration**. At the gate he stops and waits for his friend, so he is **at rest**. If you draw his journey on a **distance-time graph**, the **gradient** of the line shows his speed.

Before school, his mother boils water for tea. **Boiling** turns the liquid into gas. Some water is also **evaporating** slowly from the wet cups by the window. On the cold glass, the steam is **condensing** back into water drops.

His aunt is an **entrepreneur**. She opened a small noodle shop this year. She needed **land** for the shop, **labour** to cook and serve, and **capital** such as pots and tables. Her reward is **profit**. Every choice has an **opportunity cost**: the money she spent on tables cannot buy a new sign.

Talk about it 说一说:

1. Describe your journey to school using the words speed, acceleration, and at rest.
2. If you started a small shop, what land, labour, and capital would you need?

Physics

Topics 1-3 · Motion, forces and energy, Thermal physics, Waves

⊙ **scalar quantity** 标量

→ **vector quantity** 矢量

⚡ **electric field strength** 电场强度

▦ **uniform** 均匀

 circular motion 圆周运动			
 radius 半径			
 stability 稳定性			
 renewability 可再生性			
 availability 可用性			
 reliability 可靠性			
 scale 规模			
 environmental impact 环境影响			
 lattice 晶格			
 thermometer 温度计			
 insulating material 隔热材料			
 potassium permanganate 高锰酸钾			
 Leslie cube 莱斯利立方体			
 atmosphere 大气			
 radiator 散热器			
 vacuum flask 保温瓶			
 peak 峰			
 ray box 光线盒			
 principal axis 主光轴			

Chemistry

Topics 1-2 · States of matter, Atoms, elements and compounds

 melting 熔化			
 melting point 熔点			
 boiling point 沸点			
 boiling 沸腾			
 freezing 凝固			
 evaporating 蒸发			
 condensing 凝结			
 sublimation 升华			
 heating curve 加热曲线			
 cooling curve 冷却曲线			
 collide 碰撞			
 diffusion 扩散			
 concentration 浓度			
 rate 速率			
 pressure 压强			
 ammonia 氨气			
 hydrogen chloride 氯化氢			
 ammonium chloride 氯化铵			
 compound 化合物			
 ionic compound 离子化合物			
 ionic bond 离子键			

 covalent bond 共价键

Biology

Topic 1 · Characteristics and classification of living organisms

 yeast 酵母

 prokaryote 原核生物

 bacteria 细菌

 single-celled 单细胞

 nucleus 细胞核

 protocist 原生生物

 algae 藻类

 vertebrates 脊椎动物

 backbone 脊柱

 mammals 哺乳动物

 fur 毛发

 birds 鸟类

 feathers 羽毛

 beak 喙

 reptiles 爬行动物

 scales 鳞片

 amphibians 两栖动物

 fish 鱼类

 fins 鳍

 gills 鳃

 **arthropods** 节肢动物

 **exoskeleton** 外骨骼

 **joints** 关节

 **insects** 昆虫

 **antennae** 触角

 **arachnids** 蛛形类

 **crustaceans** 甲壳类

 **myriapods** 多足类

 **segments** 体节

 **ferns** 蕨类植物

 **spores** 孢子

 **flowering plants** 开花植物

 **seeds** 种子

 **cotyledons** 子叶

 **monocotyledons** 单子叶植物

 **leaf veins** 叶脉

 **dicotyledons** 双子叶植物

Mathematics

Topic 1 · Number

 **lowest common multiple**
最小公倍数

 **set** 集合

• **element** 元素

$\square$ universal set 全集			
$\complement$ complement 补集			
$\emptyset$ empty set 空集			
$\subset$ subset 子集			
$\cup$ union 并集			
$\cap$ intersection 交集			
$\odot$ Venn diagram 维恩图			
$\uparrow$ power 幂			
$\#$ index 指数			
$\sqrt{\quad}$ square root 平方根			
$\sqrt[3]{\quad}$ cube root 立方根			
$\times_2$ base 底数			
$\rightarrow$ standard form 科学记数法			
$\sqrt{\quad}$ surd 根式			

Computer Science

Topics 1-2 · Data representation, Data transmission

$\mathbb{T}$ character set 字符集			
emoji emoji 表情符号			
storage storage 存储			
sound wave sound wave 声波			
sampling sampling 采样			
sample rate sample rate 采样率			
sample resolution sample resolution 采样分辨率			

↕ amplitude 振幅			
□ pixel 像素			
田 resolution 分辨率			
🧠 colour depth 颜色深度			
✕ compression 压缩			
📶 bandwidth 带宽			
📡 transmission 传输			
🛡️ lossless 无损			
↗️ run-length encoding 行程编码			
✂️ lossy 有损			
↔️ data transmission 数据传输			
📦 packets 数据包			
🏷️ packet header 包头			

Economics

Topic 1 · The basic economic problem

📺 free goods 免费物品			
⚙️ factors of production 生产要素			
🏠 land 土地			
🔧 labour 劳动			
💰 capital 资本			
💡 enterprise 企业家才能			
👤 entrepreneur 企业家			

 reward 报酬			
 rent 地租			
 wages 工资			
% interest 利息			
 profit 利润			
 mobility 流动性			
 alternative 替代选择			
 production possibility curve 生产可能性曲线			

English

Topic 1 · Reading skills

 paraphrase 改写			
 signal words 信号词			
+ addition 递进			
① contrast 对比			
→ cause and effect 因果			
 note-making 做笔记			
 summary 概括			