

SCIENCE IN ENGLISH 2n ESO

Summer homework 2018

Name: _____

Group _____

You must complete all the activities quite well, in order to gain access to september test.

Activity 1.

1. Listen to the short film called SIGHT
(https://www.youtube.com/watch?v=IK_cdkpazjI) and complete the missing words (or sentences) in the following transcription.

Excellent!

Perfect!

Good job!

!

Well done!

level completed.

Snail zombies from your backyard.

Life is a journey and in this journey you all want to do more, experience more, feel more and live with no boundaries. And why shouldn't we?

Sight Systems presents Sight Seeing. Feel free to go anywhere.

Reminder date at 8 pm. your outfit

Patrick? Patrick?

Oh, hi.

Hi Daphne, how are you?

[redacted].

It's okay

You look great

[redacted]

Love your jacket

Thanks

It's actually, it's uhh, it's a sports jacket, so that's less official that it looks...

What do you mean?

Sorry?

What's the difference between sports jacket and a normal one?

Ahh.. I guess a sports [redacted] is for people who want to look good even when they're chased by the police. Anyway... I hope you're hungry, this place has the best burgers in town.

Oh.. Actually, I'm a [redacted].

Oh..

Yeah...

Oh, really? 'Cause you didn't say it on your profile so...

well, I don't write [redacted] on my profile, so...

Uhm.. Oh, you wanna go somewhere else...?

No, no, its okay. I'll find something on the [redacted].

Well, how about a glass of wine for starters?

yeah, great.

So... .. are there any other things in your profile that you [redacted]

[redacted] and I should know or..?

Aren't you scared by jogging by yourself in the city?

[redacted]. Besides, I'm about to hit level 5 on marathon Master.

Pretty impressive!

I know.

What is scary, though, on my last route... my sight crashed. So scary, I didn't see anything, I couldn't find my way home.

Sight doesn't crash.

Oh it did. I was totally lost, I didn't see anything.

That doesn't happen since our last patch

[redacted]? [redacted]?

yeah.. but..

Wow, what do you do there?

[redacted], I'm just a simple engineer.

Actually, I read about your company in the news. Is it true that you guys implant stuff... and manipulate people's Sights?

No, it's a bullshit.

[redacted], I don't wanna talk about work. Not when I'm here with such a pretty lady

Ha ha ha.

You know you really get me...

You know, I can tell what you're thinking right now.

Really? What?

Well, we finished our drinks, what are we going to do?

Ha ha ha

How about if we go to my place, for a nightcap?

Well, if you're so good at reading my mind, you should know what I'm going to say.

Here it is. [redacted].

Nice place you've got here.

It's alright I guess... A toast... for... a perfect night.

Why aren't you drinking?

What's that? A dating app?

No no no no no

Oh my God, I cannot believe this, just my luck, a freaking game junkie.

Disgusting! Wait! Do not touch me, you creep! Pathetic.

[redacted]! Now, let's try this again.

Activity 2.

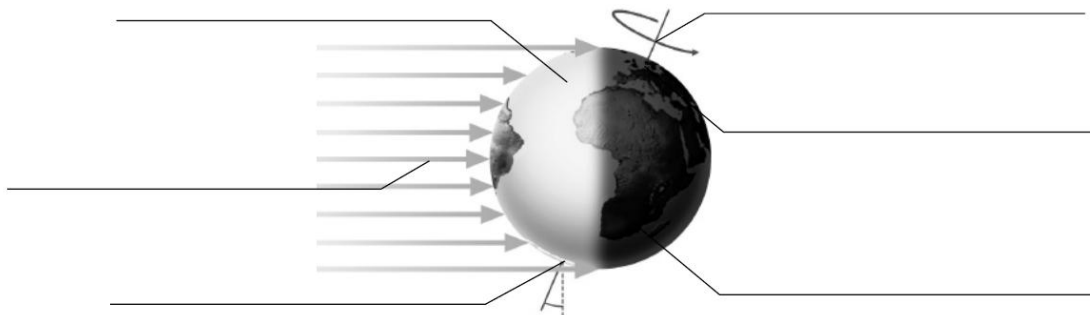
1. Cross out the odd word. Then explain your choices.

- a. yellow planet enormous star
- b. moons asteroids poles comets
- c. Mercury Venus Saturn Mars
- d. Mars Saturn Uranus Neptune
- e. ice liquid dust rock



2. Label the drawing.

sunlight day night rotational axis North Pole South Pole



3. Circle the correct alternative.

- a. There are two groups of planets: terrestrials and *gas giants / natural satellites*.
- b. *Asteroids / Satellites* are tiny, rocky celestial bodies.
- c. Comets have bright tails which point *away from / toward* the Sun.
- d. The Earth's orbit is called *an axis / an ellipse*.
- e. The Sun always rises in the *east / west* and sets in the *east / west*.

4. Explain what causes the seasons.



5. Complete this text about eclipses.

Sometimes during their orbits, _____,
 and an eclipse occurs. During a _____, the Earth passes between the Sun
 and the Moon. The Earth's shadow moves _____.

During a solar eclipse, _____
 _____ and projects a shadow
 on the Earth. A total eclipse occurs when



6. Match the columns.

- | | |
|--|---|
| a. A star <input type="radio"/> | <input type="radio"/> 1. different colours and sizes and different luminosity. |
| b. Most stars <input type="radio"/> | <input type="radio"/> 2. are groups of stars. |
| c. Stars have <input type="radio"/> | <input type="radio"/> 3. is a cloud of dust and gas. |
| d. Constellations <input type="radio"/> | <input type="radio"/> 4. are enormous groups of stars, gases and dust. |
| e. A nebula <input type="radio"/> | <input type="radio"/> 5. is a spherical body which generates light and heat. |
| f. Galaxies <input type="radio"/> | <input type="radio"/> 6. three shapes: elliptical, spiral and irregular. |
| g. Galaxies have <input type="radio"/> | <input type="radio"/> 7. consist of helium and hydrogen. |
| h. Our Solar System <input type="radio"/> | <input type="radio"/> 8. is on the edge of the Milky Way. |

Activity 3.



Problem page - ANSWERS



1. What's the word?

Write the word under the pictures.

mean	message	worried	feel uncomfortable	parents
teacher	password	friends	secret	share
feel uncomfortable	mean	password	message	friends
secret	worried	parents	share	teacher



2. Read and circle!

Children read the problem page and circle the examples of the top tips.

Top tips for writing advice!

1. You can use 'should' when you give advice, to tell someone what to do.
2. You can also use 'shouldn't' when you give advice, to tell someone what not to do.
3. You can use 'should' in questions, to ask for advice.



3. Choose the answer!

Read the sentence. Circle the correct answer.

- a. Racecar73 got a _____ message. nice / **mean** / funny
- b. You shouldn't answer messages if you feel _____. **uncomfortable** / happy / excited
- c. An adult can help you block and report the _____. internet / computer / **message**
- d. Star44's best friend wants to know her _____. family / plans / **passwords**
- e. You shouldn't _____ passwords except with your parents. delete / **share** / hide
- f. If you're worried, you should talk to your _____ or another adult. **parents** / friend / pet



4. Practise writing!

Children think of another online safety problem and write it as a website message. Then they write an answer to it. They should use the example problems and answers as a model for their own. When they have finished they can check to see if they have followed all the top tips.

Activity 4.

SCIENTIFIC METHOD. HOW DO SCIENTISTS WORK?

INTRODUCTION

The scientific method involves a set of ordered steps that are used to investigate natural phenomena.

This working method constitutes a process for experimentation that is used to explore observations and answer questions.

1. Listen to the video called "Scientific Method Song" (<https://www.youtube.com/watch?v=ptADSmJCVwQ>) and write down the keywords you've heard. Then, find its meaning.

2. These blocks refer to the steps of the scientific method: organise them in a flow diagram.



STEPS OF THE SCIENTIFIC METHOD

The scientific method starts when you ask a **question** about something that you have observed. Once the problem is determined, you need to gather all the helpful information about it (which is to do the background research) in

order to form a **hypothesis**.

The hypothesis is a prediction of possible answers to the problem or question. Your hypothesis has to be tested by doing an **experiment**. The experimentation can be quite different depending on the nature of the fact you are studying and in turn, it involves several steps.

Once your experiment is complete, you collect your **measurements** and **analyse them** to draw **conclusions** and see if they support your hypothesis or not. Your conclusions summarise how your results **support or contradict your original hypothesis**.

Scientists often find that their results don't align with the original hypothesis, and in such cases they will communicate the results of their experiment and pose again a new hypothesis based on the information they learned during their experiment. This starts the much of the process of the scientific method over again. Even if they find that their hypothesis was supported, they may want to **test it again** in a new way.

Anyway, scientists have to **communicate** the results of their experimentation to the community in a final report that can be published in a scientific journal or explained during a talk at a scientific meeting.

3. Underline the words of the text you've not understood, and look for its meaning.

4. Write a short text explaining (in your own words) the steps of the scientific method.

- a) Observation:
- b) Form a hypothesis:
- c) Experimentation:
- d) Collect data:
- e) Analyze data:
- f) Draw conclusions:
- g) Communicate results: