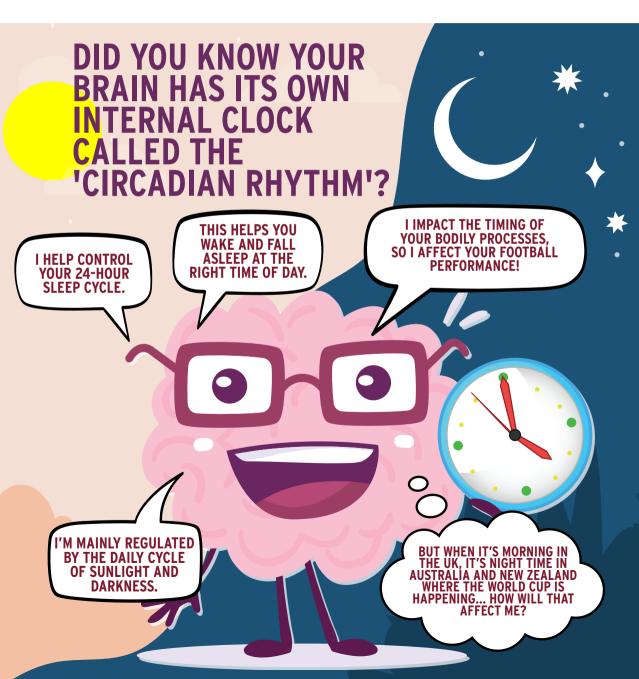
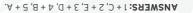


FOOTBALL ON THE BRAIN









You don't just get jet lag from travelling across

different sleep patterns

weekend might give you

between the week and the

time zones! Having

TRAVEL AND JET LAG

When we travel to a different time zone. our natural 24-hour circadian rhythm no longer matches up with the time of day. The effect this has on your brain and body is called 'iet lag'.

Some players, such as Australia's Sam Kerr, are used to jet lag because they frequently travel between their national country and club country.



Chelsea fans even made a chant about it - scan this **QR** code to listen!

TOTAL KM % OF INTERNATIONAL TRIPS WHERE AT LEAST 2 TIME **ZONES WERE CROSSED** (f) (f) 20 TRIPS CROSSING TIMES ZONES

FIFPRO/FOOTBALL BENCHMARK

SAM KERR'S TRAVEL LOG

TRAVEL TIME (MINUTES)

TIMES AROUND

THE WORLD

TOTAL DISTANCE TRAVELLED EQUATES TO 3.26 TRIPS AROUND

FARTH

(Stats do not

include trips

made within

England with Chelsea.)

2022-2023 SEASON

THE WORLD CUP KICKS OFF AT 7PM LOCAL TIME IN NEW ZEALAND, BUT WHAT TIME WILL THAT BE FOR FANS AROUND THE WORLD? WORK IT OUT AND WRITE IT IN THE FLAG. (HINT: THE INFORMATION IN BRACKETS TELLS YOU THE TIME DIFFERENCE).



It is easier for your circadian clock to adjust if you travel in a westward direction, because you gain extra hours of daylight. Losing daylight by travelling eastwards is much harder to overcome.

DID YOU KNO JET LAG AND FOOTBALL PERFORMANCE

Footballers will experience jet lag after travelling to the World Cup, and unless they are afforded sufficient time to adjust, their performance will be suboptimal. Can you match the symptoms of jet lag to their impact on football performance?



THE DOS AND DON'TS OF TACKLING JET LAG



GET READY!

The World Cup opens on 20th July in New Zealand! Fill in your boarding pass. Research says allow 1 day for every time zone you cross to acclimatise*. *Shorter periods will affect players more than

fans.

PASSENGER TICKET AND BAGGAGE CHECK **BOARDING PASS** FOTB AIRLINES FIRST CLASS Name of FIRST CLASS Passenger Passenger: From Flight: Departure Date: From Time: **SK80** AUCKLAND/AKL To: 11.40 Departure Date Gate: Terminal: 1 Boarding: To: AUCKLAND/AKI Seat 03 Flight: Time: SK80 11.40 11:00 1A FILL IN THE TICKET WITH YOUR ESTIMATED DEPARTURE DATE Gate: Boarding: Seat 03 11:00 1A 20623-20823



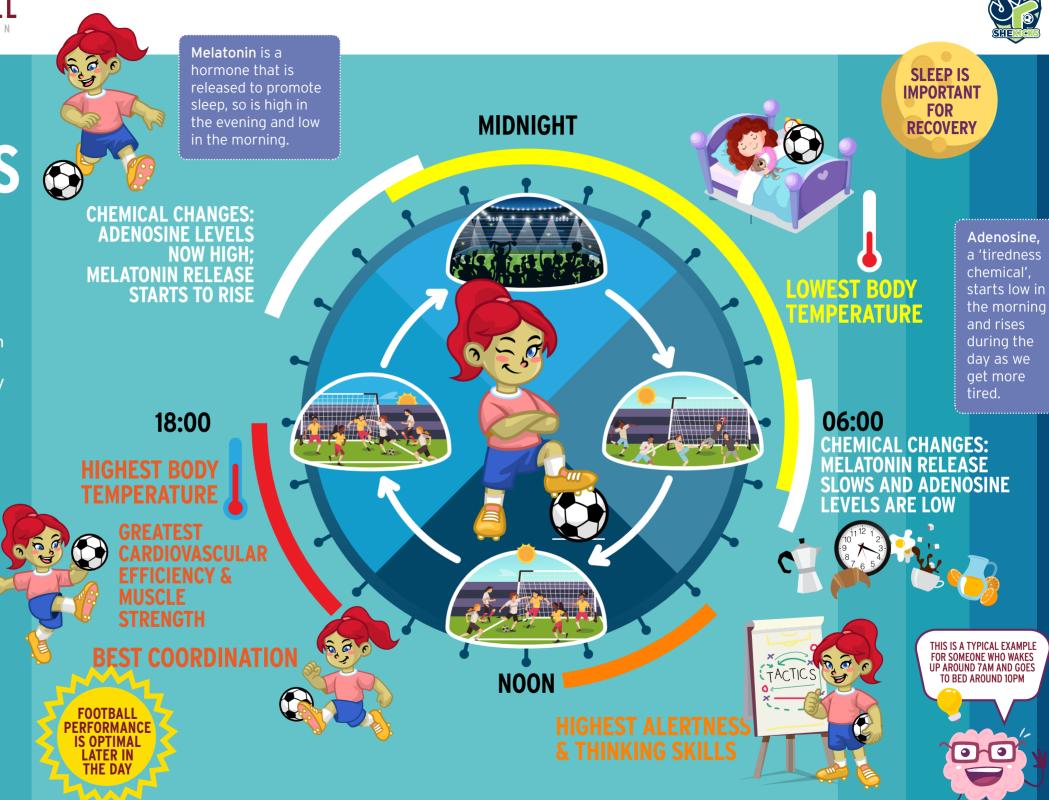


Your circadian rhythm is a 24-hour body clock, orchestrated by the brain. It controls all your bodily processes!

Use the diagram to learn more about the effects of the circadian rhythm, and what that means for your football performance across the day.



SCAN THE QR CODE AND WATCH THE VIDEO TO FIND OUT MORE.





closed vs window open to let in a cooling breeze. 4. Messy kit vs tidy kit, 5. Laptop on vs laptop off, 6. Mobile phone in bed vs book, 7. Sugary cake on desk vs bana, 8. Window ALSWERS: 1. Heater on vs heater off, S. Bright overhead light on vs dim lamp on, 3. Catteinated drink on bedside table vs water,



REMEMBER! KEEPING A CLEAN

AND HEALTHY BEDROOM

WAY YOU CAN IMPROVE YOUR

QUALITY OF SLEEP!

WHY DOES SLEEP MATTER?

You might not be aware of it, but lots of things are happening in your body when you sleep. Without sleep, the brain cannot function properly!



WHAT ABOUT CAFFEINE?

CAFFEINE ADVICE: Monitor your intake by checking your food and drink. Avoid caffeine within 6 hours before bed PROS CONS INCREASED BLOOD QUICKER REACTION PRESSURE LESS AWARE OF **FEELINGS OF** ANXIETY FATIGUE INCREASED ENDURANCE DIFFICULTY

WARNING!!!

SLEEPING

Caffeine is a natural stimulant found in some drinks, food and medicines. It can make you feel more awake and alert by blocking adenosine, the tiredness molecule that promotes sleep and relaxation.

> Some footballers have energy drinks before or during a match to boost their performance. But it can also have negative effects...

HOW MUCH CAFFEINE DO YOU CONSUME?

	ITEM	CAFFEINE mg
	Cup of tea	50
	Mug of filter coffee	140
	An espresso	80
	Can of Coke	30
	Can of Red Bull	80
	Bottle of Lucozade	46
	Bar of dark chocolate	50
	Mars bar	10
Use the table to help you calculat your average daily intake.		

Most days I consume:

SUGGESTED DAILY CAFFEINE LIMITS 400mg 200mg 100mg ADULTS PREGNANT WOMEN ADOI ESCENTS

You can build up a caffeine "tolerance", meaning you will feel the effects of the same amount of caffeine less over time. It is also mildly addictive, so be careful to regulate the amount you have..





MATCH DAY TOMORROW GOTTA **GET SOME** ZZZZZZZS!

Spot the differences ENVIRONMENT IS ONE IMPORTANT in Grace's bedroom and find out how you can improve vour sleep environment.

EARLY BIRD CATCHES THE... GAME?

Everyone has a circadian rhythm regulated by light, but we all express our rhythm differently and show individual preferences for waking up and falling asleep at different times.

YOU MEAN, THERE'S A

REASON I HATE EARLY

MORNING FOOTBALL

PRACTICE?

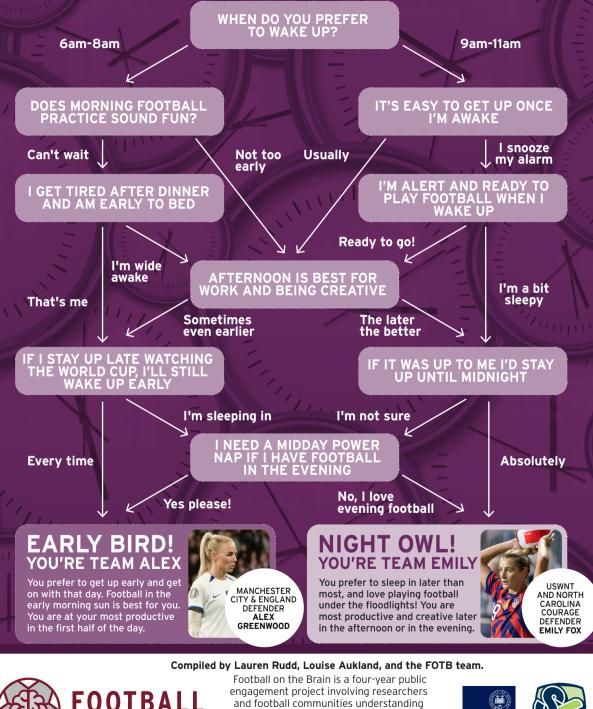
This individual preference is called your "chronotype", and it might impact the time of day vou feel most active!



TURN OVER TO TAKE A QUIZ AND FIND OUT WHICH FOOTBALLER YOU SHARE A CHRONOTYPE WITH!

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WHO'S ON YOUR CHRONO-TEAM? TAKE THE QUIZ BELOW TO FIND OUT!



football. Follow along on Twitter: @FootballOnBrain #FootballOnTheBrain

ON THE BRAIN

and football communities understanding more about how our brains are involved in OXFORD

