

BTIA – BRAIN TRAINING INTELLIGENCE AGENCY

TOP SECRET FACT MISSIONS

THE EXTREME EDITION

**Volume 2 — Harder Facts • Trickier Challenges • Higher Clearance
Required**

Attention, Agent.

You have been selected for **BTIA's Extreme Ops Unit** — the most elite division in the Brain Training Intelligence Agency. Only agents who completed Volume 1 — or who show exceptional promise — are cleared for these missions.

Warning: The facts here are wilder, the challenges are harder, and the topics go deeper. From venomous creatures and volcanic explosions to black holes and secret codes — this is the Extreme Edition. Your mission: read every fact, ace every challenge, and earn the rank of **Shadow Commander**.



TOP SECRET AGES 10 - 14 • EXTREME OPS CLEARANCE



EXTREME OPS REGISTRATION

FILL IN YOUR DETAILS TO RECEIVE EXTREME OPS CLEARANCE

• EXTREME OPS CLEARANCE CARD – BTIA CLASSIFIED DOCUMENT •

AGENT NAME (YOUR REAL NAME)

AGENT CODE NAME

AGE

DATE CLEARED FOR EXTREME OPS

SPECIALIZATION (YOUR STRONGEST SUBJECT)

VOLUME 1 FINAL RANK (IF COMPLETED)

CLEARANCE: EXTREME OPS UNIT

Complete all 13 missions to qualify for Shadow Commander status!

HOW TO USE THIS BOOK

1. Read every fact carefully — they are the foundation of your challenges.
2. Watch for **Declassified Files** — bonus extreme facts hidden in the missions.
3. Spot any **Double Agent Warnings** — they contain ONE fake fact. Find it for bonus points!
4. Complete both Agent Challenges per mission. Record your score in the **Mission Intel Rating** box.
5. Attempt the **Extreme Ops Exam** (40 questions) when all 13 missions are done.
6. Score 171–204 points total to earn your **Shadow Commander Certificate!**

AGENT TOOLKIT

KEEP THIS PAGE HANDY — YOU'LL NEED IT FOR THE CODE CRACK CHALLENGES

CAESAR CIPHER KEY (SHIFT +3)

To decode: find the coded letter in the bottom row → the plain letter is directly above it. To encode: find your plain letter on top → coded letter is below.

A	B	C	D	E	F	G	H	I	J	K	L	M
D	E	F	G	H	I	J	K	L	M	N	O	P
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Q	R	S	T	U	V	W	X	Y	Z	A	B	C

MEASUREMENT CONVERSIONS

1 mile	= 1.6 km
1 km	= 0.62 miles
1 kg	= 2.2 lbs
1 metre	= 3.28 feet
0°C	= 32°F
100°C	= 212°F
1 psi	= 6,895 Pa

HOW TO READ BIG NUMBERS

1,000	= One Thousand
1,000,000	= One Million
1,000,000,000	= One Billion
1 TRILLION	= 1,000 billion
1 LIGHT-YEAR	= 9.46×10^{12} km
1G FORCE	= normal gravity
1 VOLT	= 1 joule/coulomb

FACT VERIFICATION CHECKLIST

Before accepting any “fact”, ask yourself: **(1)** Does it have a specific number or source? **(2)** Could it be an exaggeration? **(3)** Is it too convenient or shocking? **(4)** Does it match other things you know? If a “fact” fails 2 or more checks, it may be a **DOUBLE AGENT fake** — flag it!

MISSION DOSSIER

TABLE OF CONTENTS — EXTREME OPS CLASSIFIED DISTRIBUTION — PAGE 1 OF 2

ORIENTATION & TOOLKIT

BTIA

Extreme Ops Registration

Clearance Card • Agent Toolkit • Mission Dossier

1

ACTIVE MISSIONS — LEVEL 1

M-01

Apex Predator

Extreme Animals • 18 Facts

★★★★☆

6

M-02

Storm Chaser

Extreme Weather • 18 Facts

★★★★☆

12

M-03

Adrenaline Zone

Extreme Sports • 18 Facts

★★★★☆

18

ACTIVE MISSIONS — LEVEL 2

M-04

Event Horizon

Extreme Space • 18 Facts

★★★★☆

24

M-05

Biohack

Extreme Body • 18 Facts

★★★★☆

30

M-06

Meltdown

Volcanoes & Earthquakes • 18 Facts

★★★★☆

36

ACTIVE MISSIONS — LEVEL 3

M-07

Cipher Division

Codes & Ciphers • 18 Facts

★★★★☆

42

MISSION DOSSIER

TABLE OF CONTENTS — EXTREME OPS CLASSIFIED DISTRIBUTION — PAGE 2 OF 2

ACTIVE MISSIONS — LEVEL 3 (CONTINUED)

M-08

Lost Files

Bizarre History • 18 Facts

★★★★☆

49

ACTIVE MISSIONS — LEVEL 4 (EXTREME)

M-09

Venom Lab

Poisons & Venoms • 18 Facts

★★★★★

55

M-10

Wreck Zone

Engineering Disasters • 18 Facts

★★★★☆

61

M-11

Deep Freeze

Extreme Survival • 18 Facts

★★★★★

67

M-12

Speed Demon

Records & Limits • 18 Facts

★★★★☆

73

M-13

Rogue Planet

Alien Science • 18 Facts

★★★★★

79

SPECIAL & FINAL

BONUS

Extreme Fact of the Book

The single most extreme fact in this volume

48

FINAL

Extreme Ops Exam

40 Questions • Shadow Commander Qualifying Test

★★★★★

85

BACK MATTER

BACK

Answer Keys • Shadow Commander Certificate • Score Log

Agent Journal • What's Next • A Small Favor

90

EXTREME

MISSION 01 OF 13

CODE NAME: APEX PREDATOR

APEX PREDATOR

DIFFICULTY: ★★☆☆☆

EXTREME ANIMALS

MISSION BRIEFING

The animal kingdom contains creatures so deadly, so fast, and so bizarre that they seem impossible. From a shrimp that punches with the force of a bullet to a jellyfish that can kill 60 humans — nature's most extreme animals are your next assignment. Read carefully: your survival may depend on it.

18 FACTS 18 FACTS ANIMALS SPEED & VENOM DANGER LEVEL: HIGH

🔍 Read all facts carefully. Your Agent Challenge begins on the next page.

M01

INTELLIGENCE FILE: EXTREME ANIMALS (FACTS 1-9)

- 01 Peregrine Falcon:** When diving on prey, this bird reaches **240 mph** (386 km/h) — the fastest speed ever recorded for any animal on Earth.
- 02 Box Jellyfish:** The most venomous marine animal alive. Its tentacles carry enough toxin to kill **60 adult humans** — and victims can die within minutes of being stung.
- 03 Mantis Shrimp:** This small crustacean punches at **50 mph** with the force of a bullet, striking hard enough to crack aquarium glass and stun prey larger than itself.
- 04 Saltwater Crocodile:** Holds the world record for strongest bite force — **3,700 psi** (pounds per square inch). That's more force than a car crusher.
- 05 Pistol Shrimp:** Snaps its claw so fast it creates a cavitation bubble that reaches temperatures briefly hotter than **the surface of the sun** (around 5,000°C), stunning or killing prey.
- 06 Blue-Ringed Octopus:** The size of a golf ball, yet carries enough venom to kill **26 adult humans**. There is no antivenom — and its bite is completely painless until it's too late.
- 07 Golden Poison Dart Frog:** This 5 cm frog carries enough batrachotoxin on its skin to kill **10 adult humans**. Indigenous tribes have used it to tip blowpipe darts for centuries.
- 08 Electric Eel:** Not actually an eel (it's a fish), it generates up to **600 volts** of electricity — enough to stun a horse or knock a human off their feet.
- 09 Greenland Shark:** The longest-lived vertebrate on Earth. Scientists estimate some individuals are over **400 years old** — alive when Shakespeare was writing his plays.

APEX

INTELLIGENCE FILE: EXTREME ANIMALS (FACTS 10-18)


- 10 Cone Snail:** Fires a harpoon-like hollow tooth that can penetrate a wetsuit. Its venom acts within minutes and there is **no antivenom** available.
- 11 Black Mamba:** The fastest land snake, capable of striking at **12 mph**. It can raise a third of its body off the ground and is considered one of Africa's most feared predators.
- 12 Hippopotamus:** Despite being herbivores, hippos are responsible for more human deaths in Africa than any other large animal. They can run at **19 mph** and are extremely territorial.
- 13 Cassowary:** This large flightless bird has a **4-inch dagger claw** on each foot and a kick powerful enough to disembowel a human. It is considered the world's most dangerous bird.
- 14 Mimic Octopus:** Discovered in 1998, this octopus can impersonate up to **15 different dangerous species** — including lionfish, flatfish, and sea snakes — to deter predators.
- 15 Komodo Dragon:** Has serrated teeth and venom glands in its lower jaw. A bite causes rapid blood loss and prevents clotting, meaning prey often dies from blood loss if it escapes the initial attack.
- 16 Platypus:** One of very few venomous mammals. Males have ankle spurs that deliver toxins **so painful** that victims have required morphine to manage the agony.
- 17 Decorator Crab:** Attaches living sea anemones to its shell, using their stinging tentacles as natural **body armor** — one of nature's most creative defense strategies.
- 18 Wolverine:** Pound for pound, the wolverine is considered one of the most ferocious animals on Earth. It has been documented **stealing kills from wolves** and driving bears away from food.

DECLASSIFIED

In the 1960s, the CIA spent **\$20 million** on [REDACTED] "Project Acoustic Kitty" — an attempt to implant microphones in cats and use them as living spy devices. The first cat on its first mission was immediately struck by a **taxi cab**. The project was cancelled. The official report stated: *"The program would not lend itself to the desired objective."*

MISSION 01 • APEX PREDATOR • AGENT CHALLENGE

AGENT CHALLENGE**CHALLENGE 1 OF 2 – RANK THE EXTREMES • 6 POINTS**

 Mission Control has scrambled the speed database. Rank these 6 creatures from **FASTEST (1)** to **SLOWEST (6)**. Write the correct number in the box. Their speeds are shown — but not in order.

SPEED DATABASE – SCRAMBLED

CREATURE	RECORDED SPEED	YOUR RANK (1-6)
Peregrine Falcon (dive)	240 MPH	<input type="text"/>
Cheetah (land sprint)	75 MPH	<input type="text"/>
Sailfish (swim)	68 MPH	<input type="text"/>
Mantis Shrimp (punch strike)	50 MPH	<input type="text"/>
Hippopotamus (run)	19 MPH	<input type="text"/>
Black Mamba (slither)	12 MPH	<input type="text"/>

AGENT TIP

Scoring: 1 point for each creature correctly ranked in the right position. Maximum = 6 points.

APEX

AGENT CHALLENGE

CHALLENGE 2 OF 2 – TRUE OR FALSE • 6 POINTS

✓ Circle TRUE or FALSE for each statement. Answers are based on your Intelligence File. **1 point per correct answer.**

1. The peregrine falcon can dive at over 240 mph — the fastest speed ever recorded for any animal. TRUE FALSE
2. The box jellyfish carries enough venom to kill 100 adult humans. TRUE FALSE
3. The mantis shrimp's punch creates a bubble briefly hotter than the surface of the sun. TRUE FALSE
4. The electric eel is technically not an eel — it's a fish. TRUE FALSE
5. The golden poison dart frog's skin is safe to touch as long as you wash your hands afterward. TRUE FALSE
6. The Greenland shark can live for over 400 years. TRUE FALSE
7. The platypus is one of the few venomous mammals on Earth. TRUE FALSE
8. The mimic octopus can impersonate up to 5 different dangerous species. TRUE FALSE
9. The cone snail has an effective antivenom available at most hospitals. TRUE FALSE
10. A hippopotamus kills more humans in Africa than any other large animal. TRUE FALSE

AGENT TIP

Scoring: 1 point per correct answer. Maximum = 6 points (count only questions 1–6 for scoring, or use all 10 as bonus).

APEX

MISSION INTEL RATING



DEBRIEF YOUR PERFORMANCE

YOUR SCORE:

 / 12

Write your total points from both challenges above.

DIFFICULTY RATING:

EASY MEDIUM HARD EXTREME

MY TOP FACT:



MISSION 01 COMPLETE ✓

Log your score on the Mission Score Log in the back. Keep going — the next mission awaits!

SCORE TIERS

★★★ 10–12 pts

★★ 7–9 pts

★ 4–6 pts

□ 0–3 pts

SCORE

EXTREME

MISSION 02 OF 13

CODE NAME: STORM CHASER

STORM CHASER

DIFFICULTY: ★★☆☆☆

EXTREME WEATHER

MISSION BRIEFING

Our planet produces weather events so extreme they defy imagination — from firestorms that spin like tornadoes to lightning storms that bombard Earth with 8 million bolts per day. BTIA needs you to study the most violent atmospheric phenomena ever recorded. Danger level: severe.

18 FACTS

18 FACTS

WEATHER

NATURAL FORCES

DANGER LEVEL: SEVERE

🔍 Read all facts carefully. Your Agent Challenge begins on the next page.

M02